

SEQUENCE LISTING

HUMAN HERPESVIRUS 1 (SEQ ID NO:109)

| | | | | | | | |
|----|------|-------------|-------------|-------------|-------------|--------------|------------|
| | 1 | AGCCCCGGGCC | CCCCCGCGGGC | GCGCGCGCGC | GCAAAAAAGG | CGGGCGGCGG | TCCGGGCGGC |
| 5 | 61 | GTGCGCGCGC | GCGGCGGGCG | TGGGGGGGCG | GGCCGCGGGA | GCGGGGGGAG | GAGCGGGGGG |
| | 121 | AGGAGCGGGG | GGAGGAGCGG | GGGGAGGAGC | GGGGGGAGGA | GCGGGGGGAG | GAGCGGGGGG |
| | 181 | AGGAGCGGGG | GGAGGAGCGG | GGGGAGGAGC | GGGGGGAGGA | GCGGGGGGAG | GAGCGGGGGG |
| | 241 | AGGAGCGGGG | GGAGGAGCGG | GGGGAGGAGC | GGGGGGAGGA | GCGGGGGGAG | GAGCGGGGGG |
| | 301 | AGGAGCGGGG | GGAGGAGCGG | CCAGACGCCG | AAAACGGGCC | CCCCCAA AAA | CACACCCCCC |
| 10 | 361 | GGGGGTGCGC | CGCGGCCCTT | TAAAGCGGTG | GCGGCGGGCA | GCCC GG GCCC | CCCGCGGCCG |
| | 421 | AGACTAGCGA | GTTAGACAGG | CAAGCACTAC | TCGCCTCTGC | ACGCACATGC | TGCTTGTCA |
| | 481 | AACTCTACCA | CCCCGCGACG | CTCTCTGTCT | CCATGGCCCC | CCGCGCCCGC | CATCGCGGCC |
| | 541 | CCCGCCGCCC | CCGGCCGCCC | GGGCCACGCG | GCGCCGTCCC | AACCGCACAG | TCCCAGGTAA |
| | 601 | CCTCCACGCC | CAACTCGGAA | CCCGCGGTGA | GGAGCGCGCC | CGCGGC CGCC | CCGCCGCGC |
| 15 | 661 | CCCCCGCCGG | TGGGCCCCCG | CCTTCTTGTT | CGCTGCTGCT | GCGCCAGTGG | CTCCACGTTT |
| | 721 | CCGAGTCCGC | GTCCGACGAC | GACGATGACG | ACGACTGGCC | GGACAGCCCC | CCGCCCGAGC |
| | 781 | CGGCGCCAGA | GGCCCGGCCC | ACCGCCGCGC | CCCCCGGCC | CCGGCC CCA | CCGCCCGGCG |
| | 841 | TGGGCCCCGG | GGGCGGGGCT | GACCCCTCCC | ACCCCCCTC | GCGCCCCTTC | CGCTTCCGCG |
| | 901 | CGCGCCTCGC | CCTCCGCCTG | CGCGTCACCG | CGGAGCACCT | GGCGCGCCTG | CGCTTGCAGC |
| 20 | 961 | GCGCGGGCGG | GGAGGGGGCG | CCGGAGCCCC | CCGCGACCCC | CGCGACCCCC | GCGACCCCCG |
| | 1021 | CGACCCCCCG | GACCCCCGCG | CGGGTGCCTG | TCTCGCCCCA | CGTCCGGGTG | CGCCACCTGG |
| | 1081 | TGGTCTGGGC | CTCGGCCGCC | CGCCTGGCGC | GCCGCGGCTC | GTGGGC CCGC | GAGCGGGCCG |
| | 1141 | ACCGGGCTCG | GTTCCGGCGC | CGGGTGGCGG | AGGCCGAGGC | GGTCATCGGG | CCGTGCTGGG |
| | 1201 | GCCCCGAGGC | CCGTGCCCGG | GCCCTGGCCC | GCGGAGCCGG | CCCGCGGAAC | TCGGTCTAAC |
| 25 | 1261 | GTTACACCCG | AGGCGGCCTG | GGTCTTCCGC | GGAGCTCCCG | GGAGCTCCGC | ACCAAGCCGC |
| | 1321 | TCTCCGGAGA | GACGATGGCA | GGAGCCGCGC | ATATATACGC | TTGGAGCCAG | CCCGCCCTCA |
| | 1381 | CAGGGCGGGC | CGCCTCGGGG | GCGGGACTGG | CCAATCGGCG | GCCGCCAGCG | CGGCGGGGCC |
| | 1441 | CGGCCAACCA | GCGTCCGCCG | AGTCTTCGGG | GCCCCGCCCA | TTGGGCGGGA | GTTACCGCCC |
| | 1501 | AATGGGCCGG | GCCGCCCACT | TCCCGGTATG | GTAATTAAAA | ACTTGCAAGA | GGCTTGTTC |
| 30 | 1561 | CGCTTCCCGG | TATGGTAATT | AGAAACTCAT | TAATGGGCGG | CCCCGGCCGC | CTTCCCGCT |
| | 1621 | TCCGGCAATT | CCCGCGGCCC | TTAATGGGCA | ACCCCGGTAT | TCCCCGCCTC | CCCGCGCCCG |
| | 1681 | CGTAACCACT | CCCCTGGGGT | TCCGGGTTAT | GCTAATTGCT | TTTTTGCGCG | AACACACGGC |
| | 1741 | CCCTCGCGCA | TTGGCCCCGG | GGTCGCTCAA | TGAACCCGCA | TTGGTCCCTT | GGGGTTCCGG |
| | 1801 | GTATGGTAAT | GAGTTTCTTC | GGGAAGGCGG | GAAGCCCCGG | GGCACCAGCG | CAGGCCAAGC |
| 35 | 1861 | CCCTGTTGCG | TCGGCGGGAG | GGGCATGCTA | ATGGGGTTCT | TTGGGGGACA | CCGGGTTGGG |
| | 1921 | CCCCCAAATC | GGGGGCCCGG | CCGTGCATGC | TAATGATATT | CTTTGGGGGC | GCCGGGTTGG |
| | 1981 | TCCCCGGGGA | CGGGGCCGCG | CCGCGGTGGG | CCTGCCTCCC | CTGGGACGCG | CGGCCATTGG |
| | 2041 | GGGAATCGTC | ACTGCCGCCC | CTTTGGGGAG | GGGAAAGGCG | TGGGGTATAA | GTTAGCCCTG |
| | 2101 | GCCCGACAGT | CTGGTCGCAT | TTGCACCTCG | GCACTCGGAG | CGAGACGCAG | CAGCCAGGCA |
| 40 | 2161 | GACTCGGGCC | GCCCCCTCTC | CGCATACCA | CAGAAGCCCC | GCCTACGTTG | GCACCCCCAG |
| | 2221 | GGACCTTCCG | TCCGCGACCC | TCCAGCCGCA | TACGACCCCC | ATGGAGCCCC | GCCCCGAGC |
| | 2281 | GAGTACCCGC | CGGCCTGAGG | GCCGCCCCCA | GCGCGAGGTG | AGGGGCCCGG | CGCCATGTCT |
| | 2341 | GGGGCGCCAT | ATTGGGGGGC | GCCATATTGG | GGGGCGCCAT | GTTGGGGGAC | CCCCGACCTT |
| | 2401 | TACACTGGAA | CCGGCCGCCA | TGTTGGGGGA | CCCCCACTCA | TACACGGGAG | CCGGGCGCCA |
| 45 | 2461 | TGTTGGGGCG | CCATGTTAGG | GGGCGTGGAA | CCCCGTGACA | CTATATATAC | AGGGACCGGG |
| | 2521 | GGCGCCATGT | TAGGGGGTGC | GGAACCCCCCT | GACCCCTATAT | ATACAGGGAC | CGGGGTGCGC |
| | 2581 | CTGTTGGGGG | TCGCCATGTG | ACCCCTTGAC | TTTATATATA | CAGACCCCCA | ACACATACAC |
| | 2641 | ATGGCCCCCT | TGACTCAGAC | GCAGGGCCCC | GGGTGCGCGT | GGGACCCCCC | GACTCATACA |
| | 2701 | CAGAGACACG | CCCCACAAC | AAACACACA | GGACCGGGGT | CGCCGTGTTG | GGGGCGTGTT |
| 50 | 2761 | CCCCACTGAC | TCATACGCAG | GCCCCCTTA | CTCACACGCA | TCTAGGGGGG | TGGGGAGGAG |
| | 2821 | CCGCCCGCCA | TATTTGGGGG | ACGCCGTGGG | ACCCCCGACT | CCGGTGCCTC | TGGAGGGCGG |
| | 2881 | GAGAAGAGGG | AAGAAGAGGG | GTCGGGATCC | AAAGGACGGA | CCCAGACCAC | CTTTGGTTGC |
| | 2941 | AGACCCCTTT | CTCCCCCTC | TTCCGAGGCC | AGCAGGGGGG | CAGGACTTTG | TGAGGCGGGG |
| | 3001 | GGGGGAGAGG | GGGAACCTCG | GGGTGCTGAT | TGACGCGGGA | AATCCCCCCC | CATTCTTACC |
| 55 | 3061 | CGCCCCCTTT | TTTTCCCCCT | AGCCCCCCCC | GGATGTCCTG | GTGTTTCCCT | GCGACCGAGA |
| | 3121 | CCTGCCGGAC | AGCAGCGACT | CTGAGGCGGA | GACCGAAGTG | GGGGGGCGGG | GGGACGCCGA |
| | 3181 | CCACCATGAC | GACGACTCCG | CCTCCGAGGC | GGACAGCACG | GACACGGAAC | TGTTGAGAGC |

| | | | | | | | |
|----|------|-------------|-------------|-------------|------------|------------|-------------|
| | 3241 | GGGGCTGCTG | GGGCCGCAGG | GCGTGGATGG | GGGGGCGGTC | TCGGGGGGGA | GCCCCCCCCG |
| | 3301 | CGAGGAAGAC | CCCGGCAGTT | GCGGGGGGCG | CCCCCCTCGA | GAGGACGGGG | GGAGCGACGA |
| | 3361 | GGGCGACGTG | TGCGCCGTGT | GCACGGATGA | GATCGCGCCC | CACCTGCGCT | GCGACACCTT |
| 5 | 3421 | CCCGTGTCATG | CACCGCTTCT | GCATCCCGTG | CATGAAAACC | TGGATGCAAT | TGCGCAACAC |
| | 3481 | CTGCCCGCTG | TGCAACGCCA | AGCTGGTGTA | CCTGATAGTG | GGCGTGACGC | CCAGCGGGTC |
| | 3541 | GTTTCAGCACC | ATCCCGATCG | TGAACGACCC | CCAGACCCGC | ATGGAGGCCG | AGGAGGCCGT |
| | 3601 | CAGGGCGGGC | ACGGCCGTGG | ACTTTATCTG | GACGGGCAAT | CAGCGGTTCT | CCCCGCGGTA |
| | 3661 | CCTGACCCTG | GGGGGGCACA | CGGTGAGGGC | CCTGTCGCCC | ACCCACCCGG | AGCCACCCAC |
| 10 | 3721 | GGACGAGGAT | GACGACGACC | TGGACGACGG | TGAGGCGGGG | GGCGGCAAGG | ACCC'TGGGGG |
| | 3781 | AGGAGGAGGA | GGAGGGGGGG | GGAGGGAGGA | ATAGGCGGGC | GGGCGAGGAA | AGGGCGGGCC |
| | 3841 | GGGGAGGGGG | CGTAACCTGA | TCGCGCCCCC | CGTTGTCTCT | TGCAGCAGAC | TACGTACCGC |
| | 3901 | CCGCCCCCCC | CCGACGCCCC | CGCGCCCCCC | CACGCAGAGG | CGCCGCCGCG | CCCCCCGTGA |
| | 3961 | CGGGCGGGGC | GTCTCACGCA | GCCCCCCAGC | CGGCCGCGGC | TCGGACAGCG | CCCCCCTCGG |
| 15 | 4021 | CGCCCATCGG | GCCACACGGC | AGCAGTAACA | CCAACACCAC | CACCAACAGC | AGCGCGGGCG |
| | 4081 | GCGGCTCCCC | CCAGTTCGCA | GCCGCGGCGC | CGCGGGGGGC | GTCTGGCCCC | TCCGGGGGGG |
| | 4141 | TTGGGGTTGG | GGTTGGGGTT | GTTGAAGCGG | AGGCGGGGCG | GCCGAGGGGC | CGGACGGGCC |
| | 4201 | CCCTTGTCAA | CAGACCCGCC | CCCCTTGCAA | ACAACAGAGA | CCCCATAGTG | ATCAGCGACT |
| | 4261 | CCCCCCCCGC | CTCTCCCCAC | AGGCCCCCCG | CGGCGCCCAT | GCCAGGCTCC | GCCCCCCGCC |
| | 4321 | CCGGGCCCCC | CGCGTCCGCG | GCCGCGTCGG | GACCCGCGCG | CCCCCGCGCG | GCCGTGGCCC |
| 20 | 4381 | CGTGCGTGCG | AGCGCCGCGT | CCGGGGCCCC | GCCCCCGCGC | CCCGGGCCCC | GGGGCGGAGC |
| | 4441 | CGGCCGCCCC | CCCCGCGGAC | GCGCGCCGTG | TGCCCCAGTC | GCACTCGTCC | CTGGCTCAGG |
| | 4501 | CCGCGAACCA | AGAACAGAGT | CTGTGCCGGG | CGCGTGCAGC | GGTGGCGCGC | GGCTCGGGGG |
| | 4561 | GGCCGGGCGT | GGAGGGTGGG | CACGGGCCCT | CCGCGGCGCG | CGCCCCCTCC | GCGCCGCCCC |
| 25 | 4621 | CGCTCCCCTC | CGCCGCTCTC | GTGAGAGCAG | AGGCGGCGGT | GCGTCCGAGG | AAGAGGCGCG |
| | 4681 | GGTCGGGCCA | GGAAAACCCC | TCCCCCAGT | CCACGCGTCC | CCCCCTCGCG | CCGCGAGGGG |
| | 4741 | CCAAGAGGGC | GGCGACGCAC | CCCCCCTCCG | ACTCAGGGCC | GGGGGGGCGC | GGCAGGGGTG |
| | 4801 | GGCCCGGGAC | CCCCCTGACG | TCCTCGGCGG | CCTCCGCTTC | TTCTCTCTCT | GCTTCTTCTT |
| | 4861 | CCTCGGCCCC | GACCCCCGCG | GGGGCCGCTT | CTTCCGCGCG | CGGGGCGCGC | TCTTCTCTCC |
| | 4921 | CTTCCGCTTC | CTCGGGCGGG | GCCGTCGGTG | CCCTGGGAGG | GAGACAAGAG | GAAACCTCCC |
| 30 | 4981 | TCGGCCCCCG | CGCTGCTTCT | GGGCCGCGGG | GGCCGAGGAA | GTGTGCCCGG | AAGACGCGCC |
| | 5041 | ACGCGGAGAC | TTCCGGGGCC | GTCCCCGCGG | GCGGCCTCAC | GCGCTACCTG | CCCATCTCGG |
| | 5101 | GGGTCTCTAG | CGTGGTCGCG | CTGTGCGCTT | ACGTGAACAA | GACTATCAGC | GGGAGCTGCC |
| | 5161 | TGCCCATCCT | GGACATGGAG | ACGGGGGAACA | TCGGGGCGTA | CGTGGTCTCT | GTGACCCAGA |
| 35 | 5221 | CGGGAACAT | GGCGACCCGG | CTGCGGGCCG | CGGTCCCCGG | CTGGAGCCGC | CGCACCCCTG |
| | 5281 | TCCCCGAGAC | CGCGGGTAAC | CACGTGATGC | CCCCCGAGTA | CCCGACGGCC | CCCGCGTCCG |
| | 5341 | AGTGAACAG | CCTCTGGATG | ACCCCCGTGG | GGAACATGCT | GTTGACACAG | GGCACCCCTA |
| | 5401 | TGGGCGCCCT | GGACTTCCGC | AGCCTGCGGT | CTCGGCACCC | GTGGTCCGGG | GAGCAGGGGG |
| | 5461 | CGTCGACCCG | GGACGAGGGA | AAACAATAAG | GGACGCCCCC | CGTGTTTGTG | GGGAGGGGGG |
| | 5521 | GGTCGGGCGC | TGGGTGGTCT | CTGGCCGCGC | CCACTACACC | AGCCAATCCG | TGTCCGGGAG |
| 40 | 5581 | GGGAAAAGTG | AAAGACACGG | GCACCACACA | CCAGCGGGTC | TTTTGTGTTG | GCCCTAATAA |
| | 5641 | AAAAAACTC | AGGGGATTTT | TGCTGTCTGT | TGGGAAATAA | AGGTTTACTT | TGTATCTTTT |
| | 5701 | TCCCTGTCTG | TGTTGGATGT | ATCGCGGGGA | TGCGTGGGAG | TGGGGGTCCG | TGGGAGTGGG |
| | 5761 | GGTGCCTGGG | AGTGGGGGTG | CGTGGGAGTG | GGGGTGCGTG | GGAGTGGGGG | TGCGTGGGAG |
| | 5821 | TGGGGGTGCG | TGGGAGTGGG | GGTGCGTGGG | AGTGGGGGTG | CGTGGGAGTG | GGGGTGCCAT |
| 45 | 5881 | GTTGGGCAGG | CTCTGGTGTG | AACCACAGAG | CCGCGGCCCC | GGCTGCCTGA | CCAACCGATC |
| | 5941 | CCGAAAGCAT | CCTGCCACTG | GCATGGAGCC | AGAACCACAG | TGGGTTGGGT | GTGGGTGTTA |
| | 6001 | AGTTTCCGCG | AGCGCCTGCC | CGCCCGGACT | GACCTGGCCT | CTGGCCGCCA | CAAAGGGCGG |
| | 6061 | GGGGGGTTAA | CTACACTATA | GGGCAACAAA | GGATGGGAGG | GGTGGCGGGG | CGGACGGGGG |
| 50 | 6121 | CGCCCAAAAG | GGGGTTCGGC | ACACCACAGA | CGTGGGTGTT | GGGGGGTGGG | GCGGAGGGGT |
| | 6181 | GGGGGGGGGG | GAGACAGAAA | CAGGAACATA | GTTAGAAAAC | AAGAATGCGG | TGCAGCCAGA |
| | 6241 | GAATCAGAGG | AGACGAGGGG | ATGGGCGTGT | TGGTTACCAA | CCCACACCCA | GGCATGCTCG |
| | 6301 | GTGGTATGAA | GGAGGGGGGG | CGGTGCTTCT | TAGAGACCGC | CGGGGGACGT | GGGGTTGGTG |
| | 6361 | TGCAAAGGCA | CGCGCACCCG | CGCGGCCAGG | TGGGCCGGTA | CTCCATCCCC | CCCTCCCCCG |
| | 6421 | ACCCTTCCCA | CCCCCGCGTG | CCAGAGATCA | CCCCGGTCCC | CCGGCACCCG | CCAATCTCTC |
| 55 | 6481 | GTATCCTCGC | TTTAGGAACA | ACTTTAGGGG | GGGTACACAC | GCGCCGTGCA | TTTCTTCCA |
| | 6541 | CACCCCCCCT | CCCCCGCACT | CCCCCCCCCC | AGGCAGTAAG | ACCCAAGCAT | AGAGAGCCAG |
| | 6601 | GCACAAAAAC | ACAGGCGGGG | TGGGACACAT | GCCTTCTTGG | AGTACGTGGG | TCAATTGGCGT |
| | 6661 | GGGGGGTTAC | AGCGACACCG | GCCGACCCCC | TGGCGGTCTT | CCAGCCGGCC | CTTAGATAAG |
| | 6721 | GGGGCAGTTG | GTGGTTCGGAC | GGGTAAGTAA | CAGAGTCTGA | CTAAGGGTGG | GAGGGGGGGA |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|-------------|-------------|
| | 6781 | AAAGAACGGG | CTGGTGTGCT | GTAACACGAG | CCCACCCGCG | AGTGGCGTGG | CCGACCTTAG |
| | 6841 | CCTCTGGGGC | GCCCCCTGTC | GTTTGGGTCC | CCCCCTCTA | TTGGGGAGAA | GCAGGTGTCT |
| | 6901 | AACCTACCTG | GAAACGCGGC | GTCTTTGTTG | AACGACACCG | GGGCGCCCTC | GACGAGTGCG |
| 5 | 6961 | ATAACGGGGG | AGGAAGGGAG | GGAGGAGGGT | ACTGGGGGTG | AAGAAGGGGG | GGGGGAGAA |
| | 7021 | CGAGAACAGG | AAAGGCGATG | GAGCCCGGCA | GAACACCGAG | GAAAAAAAAA | CCACAGCGCA |
| | 7081 | TGCGCCGGGC | CGTTGTGGGG | CCCCGGGCGG | GGGCCCCCTG | GGTCCGCGCG | GGCCCCGGGC |
| | 7141 | CGGGCCGCCA | CGGGGGCCGG | CCGTTGGCGG | TAACCCCGAG | TGTTTCATCTC | AGGCCCCGGG |
| | 7201 | CCGGGAACCC | GGAAAAGCCT | CCGGGGGGCC | TTTTTCGCGT | CGCGTGCCGG | CGAGCGGGTC |
| | 7261 | CGGACGGGGC | CCGGACCGCC | GCGGTGCGGG | GCCCCCTGTC | CCGGGGCCGTA | CGCGGCCTTC |
| 10 | 7321 | GCCCCGTGAG | GGGACAGACG | AACGAAACAT | TCCGGCGACG | GAACGAAAAA | CACCCAGAC |
| | 7381 | GGGTAAAGA | AACAGAAACC | GCAACCCCA | CCACCCCGCA | AACGGGGAAA | ACGAAAAAAC |
| | 7441 | AGACCAGCGG | CCGGCCGGCG | CTTAGGGGGA | GGATGTCGCC | GACGCCCTT | GGCCGCCCGG |
| | 7501 | GCTGCAGGGG | GGCCCGGAGA | GCCGCGGCAC | CCGGACGCGC | CCGGAAAGTC | TTTCGCACCA |
| | 7561 | CCCGCGATCG | GCACGGCCCG | GCCCCCGCTT | TTATAAAGGC | TGAGATGACG | CAGCAAAAAC |
| 15 | 7621 | AGGCCACAGC | ACCACGTGGG | TAGGTGATGT | AATTTTATTT | TCCTCGTCTG | CGGCCTAAATG |
| | 7681 | GATTTCCGGG | CGCGGTGCC | CTGTCTGATG | AGCACTTAAC | GGATTGATAT | CTCGCGGGCA |
| | 7741 | CGCGCGCCCT | TAATGGACCG | GCGCGGGGCG | GGGGGCCGGA | TACCCACACG | GGCGGGGGGG |
| | 7801 | GGGTGTCGCG | GGCCGTCTGC | TGGCCCGCGG | CCACATAAAC | AATGACTCTG | GGCCTTTCCTG |
| | 7861 | CCTCTGCCGC | TTGTGAGTGC | GCGCGCCGGC | TCTGCGGTGT | CGGCGGCGGC | TGCGGCGGCT |
| 20 | 7921 | GCGGCGGCCG | CCGTGTTCCG | TCTCGGTAGC | CGGCCGCGCG | GTGGACTCGC | GGGGGGCCGG |
| | 7981 | AGGGTGGAA | GCAGGGGGGT | GTAGGATGGG | TATCAGGACT | TCCACTTCCC | GTCCTTCCAT |
| | 8041 | CCCCCGTTCC | CCTCGGTTGT | TCCTCGCCTC | CCCCAACACC | CCGCCGCTTT | CCGTTGGGGT |
| | 8101 | TGTTATTGTT | GTCGGGATCG | TGCGGGCCGG | GGGTGCGCCG | GGCAGGGGCG | GGGGCGTGCG |
| | 8161 | CGGGGGTGCT | CGTCGATCGA | CCGGGCTCAG | TGGGGGCGTG | GGGTGCGTGG | GAGCCCTGGA |
| 25 | 8221 | GGAGACTGGG | GTGGGGGTGT | CGGTGGGTGG | TTGTTTTTTG | TGGTTGTTTT | TGTGTCTGTT |
| | 8281 | CCCGTCCCCC | GTCACCCCT | CCCTCCGTCC | CCTCCGTCCC | CCCGTCGCGG | GTGTTTGTGT |
| | 8341 | TTGTTTATTC | CGACATTGGT | TTATTTAAAT | AAACACAGCC | GTTCTGCGTG | TCTGTTCTTG |
| | 8401 | CGTGTGGCTG | GGGGCTTATA | TGTGGGGTCC | CGGGGGCGGG | ATGGGGTTTA | GCGGCGGGGG |
| | 8461 | GCGGCGCGCC | GGACGGGGCG | CTGGAGATAA | CGGCCCCCGG | GGAACGGGGG | ACCGGGGCTG |
| 30 | 8521 | GGTATCCCGA | GGTGGGTGGG | TGGGCGGCGG | TGGCCGGGCC | GGGCCGGGCC | GGGCCGGGCC |
| | 8581 | GGGTGGGCGG | GGTTTGGA | AACGAGGAGG | AGGAGGAGAA | GGCGGGGGGG | GGGGAGACGG |
| | 8641 | GGGGAAAGCA | AGGACACGGC | CCGGGGGGTG | GGAGCGCGGG | CCGGGCCCGT | CGTAAGAGCC |
| | 8701 | GCGACCCGCG | CGCCGGGGAG | CGTTGTGCGC | GTCGGTCTGC | CGGCCCCCGT | CGCTCCCTTT |
| 35 | 8761 | TTTGACCAAC | CAGCGCCCCC | CCCCCCCCCT | ACCACCATTC | CTACTACCAC | CACCACCACC |
| | 8821 | ACCACCGACA | CCTCCCGCGC | ACCCCGCCCC | ACATCCCCCC | CCAACCCGCA | CCACCAGCAC |
| | 8881 | GGGTGGGGGG | TAGCAGGGGA | TCAAAGGGGG | GCAAAGCGGC | GGGGCGGTTT | GGGGGGGGGG |
| | 8941 | GGGGGGGGCG | GGAAACCAAG | TAGGCCCGCC | CATCCGCGGC | CCCTCCCGGC | AGCCACGCC |
| | 9001 | CCAGCGTCGG | GTGTACCGGG | GAAAGAGCAG | AGGGGAGAGG | GGAGAGGGGG | GGAGAGGGGA |
| | 9061 | GAGGGGGGGA | GAGGGGAGAG | GGGGGGAGAG | GGGAGAGGGG | GGGAGAGGGG | AGAGGGGGGG |
| 40 | 9121 | AGAGGGGAGA | GGGGGGGAGA | GGGGGAGAGG | GGGGGAGAGG | GAGAGGGGGG | GAGAGGGGAG |
| | 9181 | AGGGGGGGAG | AGGGGAGAGG | GGGGGAGAGG | GGGTATATAA | ACCAACGAAA | ACGCGGGGAA |
| | 9241 | CGGGGATACG | GGGCTTGTGT | GGCACGACGT | CGTGGTTGTG | TTACTGGGCA | AACACTTGGG |
| | 9301 | GACTGTAGGT | TTCTGTGGGT | GCCGACCCTA | GGCGCTATGG | GGATTTTGGG | TTGGGTGCGG |
| | 9361 | CTTATTGCCG | TTGGGGTTTT | GTGTGTGCGG | GGGGGCTTGC | CTTCAACCGA | ATATGTTATT |
| 45 | 9421 | CGGAGTCGGG | TGGCTCGAGA | GGTGGGGGAT | ATATTAAAGG | TGCCTTGTGT | GCCGCTCCCG |
| | 9481 | TCTGACGATC | TTGATTGGCG | TTACGAGACC | CCCTCGGCTA | TAAACTATGC | TTTGATAGAC |
| | 9541 | GGTATATTTT | TGCGTTATCA | CTGTCCCGGA | TTGGACACGG | TCTTGTGGGA | TAGGCATGCC |
| | 9601 | CAGAAGGCAT | ATTGGGTAA | CCCCTTTTTA | TTTGTGGCGG | GTTTTTTTGA | GGACTTGAGT |
| | 9661 | TACCCCGCGT | TTCTTGCCAA | CACCCAGGAA | ACAGAAACGC | GCTTGGCCCT | TTATAAAGAG |
| 50 | 9721 | ATACGCCAGG | CGCTGGACAG | TGCGAAGCAG | GCCGCCAGCC | ACACACCTGT | GAAGGCTGGG |
| | 9781 | TGTGTGAAC | TTGACTATT | GCGCACCCGC | CGCTGTGTAG | GGCGACAGGA | TTTGGGACCT |
| | 9841 | ACCAACGGAA | CGTCTGGACG | GACCCCGGTT | CTGCCGCCGG | ACGATGAAGC | GGGCTGCGAG |
| | 9901 | CCGAAGCCCC | TCACCACGCC | GCCGCCCATC | ATCGCCACGT | CGGACCCAC | CCCGCGACGG |
| | 9961 | GACGCCGCCA | CAAAAAGCAG | ACGCCGACGA | CCCCACTCCC | GGCGCCTCTA | ACGATGCCTC |
| 55 | 10021 | GACGGAAACC | CGTCCGGGTT | CGGGGGGCGA | ACCGGCCGCC | TGTCGCTCGT | CAGGGCCGGC |
| | 10081 | GGCGCTCCTC | GCCGCCCTAG | AGGCTGGTCC | CGCTGGTGTG | ACGTTTTTCT | CGTCCGCGCC |
| | 10141 | CCCCGACCCT | CCCATTGGAT | TAACAAACGG | GGGGGTGTG | CCTGCGGCGA | CCTCGGCGCC |
| | 10201 | TCTGGACTGG | ACCACGTTTC | GGCGTGTGTT | TCTGATCGAC | GACGCGTGGC | GGCCCTGAT |
| | 10261 | GGAGCCTGAG | CTGGCGAACC | CCTTAACCGC | CCACCTCCTG | GCCGAATATA | ATCGTCGGTG |

10321 CCAGACCGAA GAGGTGCTGC CGCCGCGGGA GGATGTG TTT TCGTGGACTC GTTATTGCAC
 10381 CCCCACGAG GTGCGCGTGG TTATCATCGG CCAGGAC CCA TATCACCACC CCGGCCAGGC
 10441 GCACGGACTT GCGTTTAGCG TCGCGCGGAA CGTGCCG CCT CCCCCGAGTC TTCGGAATGT
 10501 CTTGGCGGCC GTCAAGAACT GTTATCCCGA GGCACGG ATG AGCGGCCACG GTTGCCTGGA
 5 10561 AAAGTGGGCG CGGGACGGCG TCCGTGTACT AAACACG ACC CTGACCGTCA AGCGCGGGGC
 10621 GCGCGCGTCC CACTCTAGAA TCGGTTGGGA CCGTTTC GTG GCGGGAGTTA TCCGCCGGTT
 10681 GGCCGCGCGC CGCCCCGGCC TGGTGTATTAT GCTCTGG GGC ACACACGCCC AGAATGCCAT
 10741 CAGGCCGGAC CCTCGGGTCC ATTGCGTCTT CAAGTTT TCG CACCCGTCGC CCCTCTCCAA
 10801 GGTTCGGTTC GGAACCTGCC AGCATTTCCT CGTGGCG AAC CGATACCTCG AGACCCGGTC
 10 10861 GATTTACCC ATCGACTGGT CGGTTTGAAA GGCATCG ACC TCCGGGGTTT TTGTCGGTGG
 10921 GGGCTTTTGG GTATTTCGGA TGAATAAAGA CGGTTAA TGG TTAAACCTCT GGTCTCATAC
 10981 GGGTCGGTGA TGTCGGGCGT CGGGGGAGAG GGAGTTC CCT CTGCGCTTGC GATTCTAGCC
 11041 TCGTGGGGCT GGACGTTTCA CACGCCAAAC CACGAGT CGG GGATATCGCC AGATACGACT
 11101 CCCGCAGATT CCATTCGGGG TGCCGCTGTG GCCTCAC CTG ACCAACCTTT ACACGGGGGC
 15 11161 CCGGAACGGG AGGCCACAGC GCCGTCTTTC TCCCCAA CGC GCGCGGATGA CGGCCCGCCC
 11221 TGTACCGACG GGCCCTACGT GACGTTTGAT ACCCTGT TTA TGGTGTCTGC GATCGACGAA
 11281 TTAGGGCGTC GCCAGCTCAC GGACACCATC CGCAAGG ACC TCGGTTGTCT GCTGGCCAAG
 11341 TTTAGCATTC CGTGCACCAA GACCTCTCTG TTTTCGG GAA ACGCCCGCG CCACCACAGA
 11401 CGCGGGGCGT TCCAGCGCGG CACGCGGGCG CCGCGCA GCA ACAAAGCCT CCAGATGTTT
 20 11461 GTGTTGTGCA AACCGGCCCA CGCCGCTCGA GTGCGAG AGC AGCTTCGGGT CGTTATTAG
 11521 TCCCGCAAGC CGCGCAAGTA TTACACGCGA TCTTCGG SACG GCGGCTCTG CCCCGCCGTC
 11581 CCCGTGTTTC TCCACGAGTT CGTCTCGTCC GAGCCAA TGC GCCTCCACCG AGATAACGTC
 11641 ATGCTGGCCT CGGGGGCCGA GTAACCGCCC CCCCCC ATG CCACCTCAC TGCCCGTCGC
 11701 GCGTGTTTGA TGTTAATAAA TAACACATAA ATTTGG CTGG TTGTTTGTG TCTTTAATGG
 25 11761 ACCGCCGCA AGGGGGGGG GGCATTTTCA GTTCGGG TGA CGAGCGCGAT CCGGCCGGGA
 11821 TCCTAGGACC CCAAAAGTTT GTCTGCGTAT TCCAGGG CGG GGCTCAGTTG AATCTCCCGC
 11881 AGCACCTCTA CCAGCAGGTC CGCGGTGGGC TGGAGAA ACT CGGCCGTCCC GGGGCAGGCG
 11941 GTTGTGCGGG GTGGAGGCGC GCGCGCCACC CCGTGTG CCG CGCTTGGCGT CTCTCTGGG
 30 12001 GCGGACCCGT AAATGGTTGC AGTGATGTAA ATGGTGT CCG CGGTCCAGAC CACGGTCAAA
 12061 ATGCCGGCCG TGGCGCTCCG GCGGCTTTTC CCGCGCG SAGG AGCTGACCCA GGAGTCGAAC
 12121 GGATACGCGT ACATATGGGC GTCCCACCCG CGTTCGAGCT TCTGGTTGCT GTCCCGGCCT
 12181 ATAAAGCGGT AGGCACAAA TTCGGCGCGA CAGTCGATAA TCACCAACAG CCAATGGGG
 12241 GTGTCTGGA TAACAACGCC TCCGCGCGGC AGCCGGT CCT GCGGCTCCCG GCGCCGTACC
 35 12301 ATGATCGCGC GGGTGCCGTA CTCAAAAACA TGCACCACCT GCGCGGCGTC GGGCAGTGCG
 12361 CTGGTCAGCG AGGCCCTGGC GTGGCATAGG CTATACG CGA TGGTCTGTCT TGGATTGGAC
 12421 ATCTCGCGGT GGGTAGTGAG TCCCCCGGGC CGGGTT CGGT GGAAGTGTAA GGGGACGGCG
 12481 GGTAAATAGA CAATGACCAC GTTCGGATCG CGCAGAG CCG ATAGTATGTG CTCACTAATG
 12541 ACGTCATCGC GCTCGTGGCG CTCCCGGAGC GGATTTAAGT TCATGCGAAG GAATTCGGAG
 40 12601 GAGGTGGTGC GGGACATGGC CACGTACGCG CTGTTGAGGC GCAGGTTGCC GGGCGTAAAG
 12661 CAGATGGCGA CCTTGTCAG GCTAAGGCC TGGGAG CCG TGATGGTCAT GGCAAGCTTG
 12721 GAGCTGATGC CGTAGTCGGC GTTTATGGC ATGCCCAGCT CCGTAGAGTC AATGGACTCG
 12781 ACAAACCTGC TGATGTTGGT GTTGACGACG GACGTGAAGC CGTGTTGGTC CCGCAAGACC
 45 12841 ACGTAAGCA GGGGGGCCCTC TTCCAGTAAC TCGGCCACGT TGGCCGTCGC GTGCCGCCCTC
 12901 CGCAGCTCGT CCGCAAAGGC AAACACCCGT GCGTACGTGT ATCCCATGAG CGTATAATTG
 12961 TCCGTCTGCA GGGCGACGGA CATCAGCCCC CCGCGCG GCG AGCCGGTCAG CATCTCGCAG
 13021 CCCCAGGAAGA TAACGTTGTC CACGTACGTG CTAAAGGGGG CGACTTCAAA TGCCCTCCCCG
 13081 AAGAGCTCTT GGAGGATTTC GAATCTCCCG AGGAAGGCC GCTTCAGCAG CGCAAACCTG
 13141 GTGTGAACGG CGGCGGTGGT CTCCGGTTCC CCGGGGGTGT AGTGGCAGTA AAACACGTCC
 50 13201 AGCTGTTGTT CGTCCAGCCC CGCGAAAATA ACGTCGAGGT CGTCGTCCGG AAAATCGTCC
 13261 GGGCCCCCGT CCGCGGGCCC CAGTTGCTTA AAATCA ACG CACGCTCGCC GGGGGCGCCT
 13321 CGCTCGGCCA TTACCGACGC CTGCGTCGGC ACCCCG AAG ATTTGGGGCG CAGAGACAGA
 13381 ATCTCCGCCG TTAGTTCTCC CATGCGGGCG TAGGCG AAGG TCCTCTGGGT CGCATCCAGG
 13441 CCCGGGCGCT GCAGAAAGTT GTAAAAGGAG ATAAGC CCGC TAAATATGAG CCGCGACAGG
 13501 AACCTGTAGG CAAACTCCAC CGAAGTCTCC CCCTGAGTCT TTACAAAGCT GTCGTACAGC
 55 13561 AACACTGCCT CGAAGGCCCG GAACGTCCCA CTAAAC CCAA AAACCAGTTT TCGCAGGCGC
 13621 GCGGTCACCG CGATCTGGCT GTTGAGGACG TAAGTG ACGT CGTTGCGGGC CACGACCAGC
 13681 TGCTGTTTGC TGTGCACCTC GCAGCGCATG TGCCCC GCGT CCTGGTCCTG GCTCTGCGAG
 13741 TAGTTGGTGA TGCGGCTGGC GTTGCGCGTG AGCCAC TTTT CAATCGTCAG GCCGGGCTGG
 13801 TGTGTCAGCC GTCGGTATTC GTCAAACCTC TTGACC GACA CGAACGTAAG CACGGGGAGG

| | | | | | | | |
|----|-------|------------|------------|------------|-------------|------------|-------------|
| | 13861 | GTGAACACGA | CGAACTCCCC | CTCACGGGTC | ACCTTCAGGT | AGGCGTGGAG | CTTGGCCATG |
| | 13921 | TACGCGCTCA | CCTCTTTGTG | GGAGGAGAAC | AGCCGCGTCC | AGCCGGGGAG | GTTGGCGGGG |
| | 13981 | TTGGTGATGT | AGTTTTCGG | GACGACGAAG | CGATCCACGA | ACTGCATGTG | CTCCTCGGTG |
| 5 | 14041 | ATGGGCAGGC | CGTACTCCAG | CACCTTCATG | AGGTTACCGA | ACTCGTGCTC | GACGCACCGT |
| | 14101 | TTGTTGTTAA | TAAAAATGGC | CCAGCTATAC | GAGAGGCGGG | CGTACTCGCG | CAGCGTGCGG |
| | 14161 | TTGCAGATGA | GGTACGTGAG | CACGTTCTCG | CTCTGGCGGA | CGGAACACCG | CAGTTTCTTG |
| | 14221 | TGCTCGAAGG | TCGACTCCAG | GGACGCCGTC | TGCGTCGGCG | AGCCACACA | CACCAACACG |
| | 14281 | GGCCGAGGC | GGGCCGCGTA | CTGGGGGGTG | TGGTACAGGG | CGTTAATCAT | CCACCAGCAA |
| | 14341 | TACACCACGG | CCGTGAGGAG | GTGACGCCCA | AGGAGCCCGG | CCTCGTCGAT | GACGATCACG |
| 10 | 14401 | TTGCTGCGGG | TAAAGGCCGG | CAGCGCCCCG | TGGGTGGCCG | GGGCCAACCG | CGTCAGGGCG |
| | 14461 | CCCTCGGCCA | ACCCACGGGT | CCGTTCCAGG | GCGGCCAGGG | CGCGAACTC | GTTCCGCAAC |
| | 14521 | TCCTCGCCCC | CGGAGGCGGC | CAGGGCGCGC | TTCTGTGAGGT | CCAAAATCAC | CTCCCAGTAG |
| | 14581 | TACGTCAGAT | CTCGTCGCTG | CAGGTCCTCC | AGCGAGGCGG | GGTTGCTGGT | CAGGGTGTAC |
| | 14641 | GGGTACTGTC | CCAGTTGGGC | CTGGACGTGA | TTCCCGCGAA | ACCCAAATTC | ATGAAAGATG |
| 15 | 14701 | GTGTTGATGG | GTCGGCTGAG | AAAGGCGCCC | GAGAGTTTGG | CGTACATGTT | TTGGGCCGCA |
| | 14761 | ATGCGCGTGG | CGCCCGTCAC | CACACAGTCC | AAGACCTCGT | TGATTGTCTG | CACGCACGTG |
| | 14821 | CTCTTTCCGG | AGCCAGCGTT | GCCGGTGATA | AGATAACCCG | CGAACGGAAA | CTCCCTGAGG |
| | 14881 | GGCAGGCCTG | CGGGGGACTC | TAAGGCCGCC | ACGTCCCAGG | ACCACTGCAG | ATGGGGCACT |
| | 14941 | TGCGCTCCGT | CGAGCTGTTG | TTGCGAGAGC | TCTCGGATGC | GCTTAAGGAT | TGGCTGCACC |
| 20 | 15001 | CCGTGCATAG | ACGTAAAATT | TAAAAGGCC | TCGGCCCTCC | CTGGAACGGC | TGGTCGGTCC |
| | 15061 | CCGGGTGCT | GAAGGTGCGG | CGGGCCGGGT | TTCTGTCCGT | CTAGCTGGCG | CTCCCCGCCG |
| | 15121 | GCCGCCGCCA | TGACCGCACC | ACGCTCGCGG | GCCCCACTA | CGCGTGCGCG | GGGGGACACG |
| | 15181 | GAAGCGCTGT | GCTCCCCCGA | GGACGGCTGG | GTAAAGGTTT | ACCCACAGCC | CGGTACGATG |
| | 15241 | CTGTTCCGCG | AGATTCTCCA | CGGGCAGCTG | GGGTATACCG | AGGGCCAGGG | GCGTATACAAC |
| 25 | 15301 | CTCGTCCGGT | CCAGCGAGGC | GACCAACCCG | CAGCTGCAGG | CGGCGATCTT | TCACGCGCTC |
| | 15361 | CTCAACGCCA | CCACTTACCG | GGACCTCGAG | GCGGACTGGC | TCGGCCACGT | GGCGGCCCGC |
| | 15421 | GGTCTGCAGC | CCCAACGGCT | GGTTCGCCGG | TACAGGAACG | CCCGGGAGGC | GGATATCGCC |
| | 15481 | GGGGTGCCCG | AGCGGGTGTT | CGACACGTGG | CGGAACACGC | TTAGGACGAC | GCTGCTGGAC |
| | 15541 | TTTGCCACAG | GGTTGGTCGC | CTGCTTTGCG | CCGGGCGGCC | CGAGCGGCC | GTCAAGCTTC |
| 30 | 15601 | CCCAAATATA | TCGACTGGCT | GACGTGCCTG | GGGCTGGTCC | CCATATTACG | CAAGCGACAA |
| | 15661 | GAAGGGGGTG | TGACGCAGGG | TCTGAGGGCG | TTTCTCAAGC | AGCACCCGCT | GACCCGCCAG |
| | 15721 | CTGGCCACGG | TCGCGGAGGC | CGCGGAGCGC | GCCGGCCCCG | GGTTTTTTGA | GCTGGCGCTG |
| | 15781 | GCCTTCGACT | CCACGCGCGT | GCGGGACTAC | GACCGCGTGT | ATATCTACTA | CAACCACCGC |
| | 15841 | CGGGGCGACT | GGCTCGTGCG | AGACCCCATC | AGCGGGCAGC | GCGGAGAATG | TCTGGTGCTG |
| 35 | 15901 | TGGCCCCCCT | TGTGGACCGG | GGACCGTCTG | GTCTTCGATT | CGCCCGTCCA | GCGGCTGTTT |
| | 15961 | CCCGAGATCG | TCGCGTGTCA | CTCCCTCCGG | GAACACGCGC | ACGTCTGCCG | GCTGCGCAAT |
| | 16021 | ACCGCGTCCG | TCAAGGTGCT | GCTGGGGCGC | AAGAGCGACA | GCGAGCGCGG | GGTGGCCGGT |
| | 16081 | GCCGCGCGGG | TCGTTAACAA | GGTGTGGGG | GAGGACGACG | AGACCAAGGC | CGGGTCGGCC |
| | 16141 | GCCTCGCGCC | TCGTGCGGCT | TATCATCAAC | ATGAAGGGCA | TGCGCCACGT | AGGCGACATT |
| 40 | 16201 | AACGACACCG | TGCGTTCTTA | CCTCGACGAG | GCCGGGGGGC | ACCTGATAGA | CGCCCCGGCC |
| | 16261 | GTCGACGGTA | CCCTCCCTGG | ATTGCGCAAG | GGCGGAAACA | GCCGCGGGTC | TGCGGGCCAG |
| | 16321 | GACCAGGGGG | GGCGGGCGCC | GCAGCTTCGC | CAGGCCTTCC | GCACGGCCGT | GGTTAACAAC |
| | 16381 | ATCAACGGCG | TGTTGGAGGG | CTATATAAAT | AACCTGTTTG | GAACCATCGA | GCGCCTGCGC |
| 45 | 16441 | GAGACCAACG | CGGGCCTGGC | GACCCAATTG | CAGGAGCGCG | ACCGCGAGCT | CCGGCGCGCA |
| | 16501 | ACAGCGGGGG | CCCTGGAGCG | CCAGCAGCGC | GCGGCCGACC | TGGCGGCCGA | GTCCGTGACC |
| | 16561 | GGTGGATGCG | GCAGCCGCCC | TGCGGGGGCG | GACCTGCTCC | GGGCCGACTA | TGACATTATC |
| | 16621 | GACGTCAGCA | AGTCCATGGA | CGACGACACG | TACGTCGCCA | ACAGCTTTCA | GCACCCGTAC |
| | 16681 | ATCCCTTCGT | ACGCCCAGGA | CCTGGAGCGC | CTGTCGCGCC | TCTGGGAGCA | CGAGCTGGTG |
| | 16741 | CGCTGTTTTA | AAATTCTGTG | TCACCGCAAC | AACCAGGGCC | AAGAGACGTC | GATCTCGTAC |
| 50 | 16801 | TCCAGCGGGG | CGATCGCCCG | ATTGCTCGCC | CCCTACTTTG | AGTCAGTGCT | TCGGGCCCCC |
| | 16861 | CGGGTAGGCG | CGCCCATCAC | GGGCTCCGAT | GTCATCCTGG | GGGAGGAGGA | GTTATGGGAT |
| | 16921 | GCGGTGTTTA | AGAAAACCCG | CCTGCAAACG | TACCTGACAG | ACATCGCGGC | CCTGTTCTGTC |
| | 16981 | GCGGACGTCC | AGCACGCAGC | GCTGCCCCCG | CCCCCTCCC | CGGTGCGCGC | CGATTTCCGG |
| | 17041 | CCCGGCGCGT | CCCCGCGGGG | CCGGTCCAGA | TCGCGGTGCG | CCGGAAGAAC | TGCGCGAGGC |
| 55 | 17101 | GCGCCGGACC | AGGGCGGGGG | CATCGGGCAC | CGGGATGGCC | GCCGCGACGG | CCGACGATGA |
| | 17161 | GGGGTCGGCC | GCCACCATCC | TCAAGCAGGC | CATCGCCGGG | GACCCGAGCC | TGGTCGAGGC |
| | 17221 | GGCCGAGGCG | ATTAGCCAGC | AGACGCTGCT | CCGCCTGGCC | TGCGAGGTGC | GCCAGGTCGG |
| | 17281 | CGACCGCCAG | CCGCGGTTTA | CCGCCACCAG | CATCGCGCGC | GTCGACGTGC | CGCTGGGTG |
| | 17341 | CCGGTTGCGG | TTCGTTCTGG | ACGGGAGTCC | CGAGGACGCC | TATGTGACGT | CGGAGGATTA |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|------------|------------|
| | 17401 | CTTTAAGCGC | TGCTGCGGCC | AGTCCAGTTA | TCGCGGCTTC | GCGGTGGCGG | TCCTGACGGC |
| | 17461 | CAACGAGGAC | CACGTGCACA | GCCTGGCCGT | GCCCCCCTC | GTTCTGCTGC | ACCGGTTCTC |
| | 17521 | CCTGTTCAAC | CCCAGGGACC | TCCTGGACTT | TGAGCTTGCC | TGTCTGCTGA | TGTACCTGGA |
| 5 | 17581 | GAAGTCCCC | CGAAGCCACG | CCACCCCGTC | GACCTTTGCC | AAGGTTCTGG | CGTGGCTCGG |
| | 17641 | GGTCGCGGGT | CGCCGCACGT | CCCCATTGCA | ACGCGTTCGC | TGCCTTTTTC | TCCGCAGTTG |
| | 17701 | CCACTGGGTC | CTAAACACAC | TCATGTTTAT | GGTGACGTA | AAACCGTTTC | ACGACGAGTT |
| | 17761 | CGTCCTGCCC | CACTGGTACA | TGGCCCGGTA | CCTGCTGGCC | AACAACCCGC | CCCCCGTTCT |
| | 17821 | CTCGGCCCTG | TTCTGTGCCA | CCCCGACGAG | CTCCTCATTC | CGGCTGCCGG | GGCCGCCCCC |
| | 17881 | CCGCTCCGAC | TGCGTGCCCT | ATAACCCCGC | CGGGATCATG | GGGAGCTGCT | GGGCGTCGGA |
| 10 | 17941 | GGAGGTGCGC | GCGCCTCTGG | TCTATTGGTG | GCTTTCGGAG | ACCCCAAAAC | GACAGACGTC |
| | 18001 | GTCGCTGTTT | TATCAGTTTT | GTTGAATTTT | AGGAAATAAA | CCCGGTTTTG | TTTCTGTGGC |
| | 18061 | CTCCCGACGG | ATGCGCGTGT | CCTTACTCCG | TCTTGGTGGG | TGGGTGGCTG | TGTATGGCGT |
| | 18121 | CCCATCTGTG | CGGGGAGGGG | GGCAAGTCGG | CACGTATTCG | GACAGACTCA | AGCACACACG |
| | 18181 | GGGGAGCGCT | CTTGTCTCAG | GGCAATGTTT | TTATTGGTCA | AACTCAGGCA | AACAGAAACG |
| 15 | 18241 | ACATCTTGTC | GTCAAAGGGA | TACACAAACT | TCCCCCCTC | GCCCCATACT | CCCCCGAGCA |
| | 18301 | CCCCGGTAAA | CACCAACTCA | ATCTCGCGCA | GGATTTCGCG | CAGGTGATGA | GCGCAGTCCA |
| | 18361 | CGGGGGGGAG | CACAAGGGGC | CGCGGGTATA | GATCGACGGG | GACGCCGACC | GACTCCCCGC |
| | 18421 | CTCCGGGACA | GACACGCACG | ACGCGCCGCC | AGTAGTGCTC | TGCGTCCAGC | AAGGCGCCGC |
| | 18481 | CGCGGAAGGC | AGTGGGGGGC | AAGGGGTGCG | TGGCCTCAAA | GGGGGACACC | CGAACGCTCC |
| 20 | 18541 | AGTACTCCGC | GTCCAACCGT | TTATTAAACG | CGTCCAAGAT | AAGGCGGTTC | CAGGCGTCCT |
| | 18601 | CCATAAGGCC | CCGGGCCCGT | AGTGCGTCCT | CCTCCGGCAC | GCATGCCGTT | GTCAGGCCCA |
| | 18661 | GGACCCGTCG | CAGCGTGTCG | CGTACGACCC | CTGCCGCCGT | GGTGTACGCG | GGCCCGCGGA |
| | 18721 | GAGGAAATCC | CCCAAGATGG | TCAGTGTTGT | CGCGGGAGTT | CCAGAACACC | ACTCCCGCCT |
| | 18781 | GGCTCCAGGC | GACTGCGTGG | GTGTAGACGC | CCTCGAGGGC | CAGGCACAGT | GGGTGCCGCA |
| 25 | 18841 | CGCGGACGCG | GTTGGCCCTA | AGCAGCGCTC | CCACGGCCGT | CTCGATGGCC | CGCCGGGCGT |
| | 18901 | CCTCGATCAC | CCCGGAAGCC | GCATCCGCGT | CTTGGGGGTC | CACGTTAAAG | ACACCCCAAG |
| | 18961 | ACGCACCCCC | ATCGCCCCCG | CAGACCGCGA | ACTTCACCGA | GCTGGCCGTC | TCCTCGATCT |
| | 19021 | GCAGGCAGAC | GGCGGCCATT | ACCCACCCCA | GGAGCTGCCG | CAGCGCAGGG | CAGGCGTTGC |
| | 19081 | ACGTGTCCGG | GACCAGGCGC | TCCAAGACGG | CCCCGGCCCA | GGGCTCTGAG | GGAGCGGCCA |
| 30 | 19141 | CCACCAGCGC | GTCCAGTCTT | GCTAGGCCCG | TCCGGCCGTG | GGGGTCCGCC | AGCCCGCTCC |
| | 19201 | CCCCGAGGTC | GGCCAGGGCC | GCCAGGAGCT | GGGCGCGAAG | TCCGGGGAAG | CAAAACCGCG |
| | 19261 | CCGTCCAGAC | GGGCCCCGAC | GCCGCGGGCG | GGTCTAACAG | TTGGATGATT | TTAGTGGCGG |
| | 19321 | GATGCCACCG | CGCCACCGCC | TCCCGCACCG | CGGGCAGGAG | GCATCCGGCT | CCGCGCGAGG |
| | 19381 | CCACGCCGGG | CCAGGCTCGC | GGGGGGAGGA | CGACCCTGGC | CCCCACCGCG | GGCCAGGCCC |
| 35 | 19441 | CCAGGAGCGC | GGCGTAAGCG | GCCGCGGCCC | CGCGCACCAG | GTCCCGTGCC | GACTCGGCCG |
| | 19501 | TGGCCGGCAC | GGTGAACGTG | GGCCAACCCG | GAAACCCAG | GACGGCAAAG | TACGGGACGG |
| | 19561 | GTCCCCCCCC | GACCTCAAAC | TCGGGCCCCA | GAAAGGCAAA | GACGGGGGCC | AGGGCCCCCG |
| | 19621 | GGGCGGCGTG | GACCGTGCTA | TGCCACTGCC | GGAAAAGGGC | GACGAGCGCC | GGCGCGGAGA |
| | 19681 | ACTTCTCGCC | GGCGCTTACA | AAGTAGTCGT | AATCGCGGGG | CAGCAGCACC | CGTGCCGTGA |
| 40 | 19741 | CTCGTTGCGG | GTGCCCCGCT | GGCCGCAGGC | CCACCTCGCA | CACCTCGACC | AGGTCCCCGA |
| | 19801 | ACGCGCCCTC | CTTCTTGATC | GGCGGAAACG | CAAGAGTCTG | GTATTGCGCG | GCAAATAGCG |
| | 19861 | CGGTTCCGGT | GGTGATGTTA | ACGGTCAGCG | AAGCGGCGGA | CGCGCACTGG | GGGGTGTTCG |
| | 19921 | GAATGCGCGC | CAGGCGCGCC | CACGCCAGCC | GCGCGTCGGG | ATGCTCGGCA | ACGCGCGCCG |
| | 19981 | CCAGGGCCAT | AGGGTCGATG | TCAATGTTGG | CCTCCGCGAC | CAGGAGAGCG | GCGCGAGGGG |
| 45 | 20041 | CGGCGGGCGG | GCCCCACGAC | GCTCTCTCAA | CTTTCACCAC | CAGTCCCGTG | CGTGGGTCCG |
| | 20101 | AGCCGATACG | CAGCGGGGCG | AACAGGGCCA | CCGGCCCGGT | CTGGCGCTCC | AGGGCCGCCA |
| | 20161 | GGACGCACGC | GTACAGCGCC | CGCCACAGAG | TCCGGTTCTC | CAGGGGCTCC | AGCGGGGAGG |
| | 20221 | CGGCCGGCGT | CGTCGCGGCG | CGGGCGGCCG | CCACGACGGC | CTGGACGGAG | ACGTCCGCGG |
| | 20281 | AGCCGTAGAA | ATCCCCCAGC | TCCGTGCGCG | TGACGGAGAC | CTCCGCAAA | GCGCGCGCAC |
| 50 | 20341 | CCTCCCCCTG | GGCGTTGCGA | CATACAAAAT | ACACCAGGGC | GTGGAAGTAC | TCGCGAGCGC |
| | 20401 | GGGGGGGCGA | CCATACCGCG | TAAAGGGTAA | TGGCGCTGAC | GCTCTCCTCC | ACCCACACGA |
| | 20461 | TATCTGCGGT | GTCCATCGCA | CGGCCCCTAA | GGATCACGGG | CGGTCTGTGG | GTCCCATGCT |
| | 20521 | GCCGTGCCTG | GCCGGGCCCG | GTGGGTGCGG | GAAACCGGTG | ACGGGGGGGG | GGCGGTTTTT |
| | 20581 | GGGGTTGGGG | TGGGGGTGGG | AAACGGCCCC | GGTCCGGGGG | CCAACTTGGC | CCCTCGGTGC |
| 55 | 20641 | GTTCCGGCAA | CAGCGCCGCC | GGTCCGCGGA | CGACCACGTA | CCGAACGAGT | GCGGTCCCGA |
| | 20701 | GACTTATAGG | GTGCTAAAGT | TCACCGCCCC | CTGCATCATG | GGCCAGGCCT | CGGTGGGGAG |
| | 20761 | CTCCGACAGC | GCCGCCTCCA | GGATGATGTC | AGCGTTGGGG | TTGGCGCTGG | ATGAGTGCCT |
| | 20821 | GCGCAAACAG | CGCCCCCACG | CGGGCACGCG | TAGCTTGAAG | CGCGCGCCCC | CAAACCTCCG |
| | 20881 | CTTGTGGGCC | ATAAGCAGGG | CGTACAGCTG | CCTGTGGGTC | CGGCAGGCGC | TGTGGTTCAT |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|------------|-------------|
| | 20941 | GTGGTGGGCG | TCCAACAACC | CCACGATTGT | CTGTTTGGTG | AGGTTTTTAA | CGCGCCCCGC |
| | 21001 | CCCGGGAAAC | GTCTGCGTGC | TTTTGGCCAT | CTGCACGCCA | AACAGTTCGC | CCCAGATTAT |
| | 21061 | CTTGAACAGC | GCCACCGCGT | GGTCCGCTCT | GCTAACGGAC | CCGCGCGGGG | GACAGCCGCT |
| 5 | 21121 | TAGGGCGTCG | GCGACGCGCT | TGACGGCTTC | CTCCGAGAGC | AGAAGTCCGT | CGGTTACGTT |
| | 21181 | ACAGTGGCCC | AGTTCGAACA | CCAGCTGCAT | GTAGCGGTCT | TAGTGGGGGG | TCAGTAGGTC |
| | 21241 | CAGCACGTCA | TCGGGGCCGA | AGGTCTCTCC | AGATCCCCCG | GCCGCCGAGT | CCCAATGCAG |
| | 21301 | GCGCGCGGCC | ATGGTGCTGC | ACAGGCACAA | CAGCTCCAG | ACGGGGGTTA | CGTTCAGGGT |
| | 21361 | GGGGGGCAGG | GCCACGAGCT | CCAGCTCTCC | GGTGACGTTG | ATCGTGGGGA | TGACGCCCGT |
| | 21421 | GGCGTAGTGG | TCATAGATCC | GCCGAAATAT | GGCGCTGCTG | CGGGTGGCCA | TGGGAACGCG |
| 10 | 21481 | GAGACAGGCC | TCCAGCAACG | CCAGGTAAAT | AAACCGCGTG | CGTCCCATCA | GGCTGTTGAG |
| | 21541 | GTTGCGCATG | AGCGCGACAA | TTTCCGCCGG | CGCGACATCG | GACCGGAGGT | ATTTTTTCGAC |
| | 21601 | GAAAAGACCC | ACCTCCTCCG | TCTCGGCGGC | CTGGGCCGGC | AGCGACGCC | CGGGATCCCC |
| | 21661 | GCACCGCAGC | TCCCGTAGAT | CGCGCTGGGC | CCTGAGGGCG | TCGAAATGTA | CGCCCCGCAA |
| | 21721 | AAACAGACAG | AAGTCCTTTG | GGGTCAGGGT | ATCGTCGTGT | CCCCAGAAGC | GCACGCGTAT |
| 15 | 21781 | GCAGTTTAGG | GTCAGCAGCA | TGTGAAGGAT | GTTAAGGCTG | TCCGAGAGAC | ACGCCAGCGT |
| | 21841 | GCATCTCTCA | AAGTAGTGTT | TGTAACGGAA | TTTGTTGTAG | ATGCGCGACC | CCCGCCCCAG |
| | 21901 | CGACGTGTCT | CATGCCGACG | CGTCACAGCG | CCCCTTGAAC | CGGCGACACA | GCAGGTTTGT |
| | 21961 | GACCTGGGAG | AACTGCGCGG | GCCACTGGCC | GCAGGAACTG | ACCACGTGAT | TAAGGAGCAT |
| | 22021 | GGGCGTAAAG | ACGGGCTCCG | AGCGCGCCCC | GGAGCCGTCC | ATGTAAATCA | GTAGCTCCCC |
| 20 | 22081 | CTTGCGGAGG | GTGCGCACCC | GTCCCAGGGA | CTGGTACACG | GACACCATGT | CCGTCCTGTA |
| | 22141 | GTTTCATGGG | TTCACGTAGG | CGAACATGCC | ATCAAAGTGC | AGGGGATCGA | AGCTGAGGCC |
| | 22201 | CACGGTTACG | ACCGTCGTGT | ATATAACCAC | GCGGTATTGG | CCCCACGTGG | TCACGTCCCC |
| | 22261 | GAGGGGGGTG | AGCGAGTGAA | GCAACAGCAG | GCGGTCCGTA | AACTGACGGC | AGAACCAGGG |
| | 22321 | CACGATCTCC | GCGAAGCAGA | CCGTCGACGA | AAAAATGCAG | ATGTTATCGC | CCCCGCCAAG |
| 25 | 22381 | GCGCGCTTCC | AGTCCCCCAA | AGAACGTGGC | CCCCCGGGCC | TCCGGAGAGG | CGTCCGGAGA |
| | 22441 | CGGGCCGCTC | GGCGGCCCGG | GCGGGCGCAG | GGCAGCCTGC | AGGAGCTCGG | TCCCCAGACG |
| | 22501 | CGGGAGAAAC | AGGCACCGGC | GCGCCGAAAA | CCCCGGCATG | GCGTACTCGC | CGACCACCAC |
| | 22561 | ATGCACGTTT | TTTTCGCCCC | GGAGACCGCA | CAGGAAGTCC | ACCAACTGCG | CGTTGGCGGT |
| | 22621 | TGCGTCCATG | GCGATGATCC | GAGGACAGAT | GCGCAGCAGG | CGTAGCATTA | ACGCATCCAC |
| 30 | 22681 | GCGGCCAGT | TGCTGCATCG | TTGGCGAATA | GAGCTGGCCC | AGCGTCGACA | TAACCTCGTC |
| | 22741 | CAGAACGAGG | ACGTTCGTAG | TGTTTCAAG | GTTGGGGCCC | ACGCGATGAA | GGCTTTCCAC |
| | 22801 | CTGGACGATA | AGTCGGTGGA | AGGGGCGGTC | GTTTATAATG | TAATTGGTGG | ATGAGAAGTA |
| | 22861 | GGTGACAAAG | TCGACCAGGC | CTGACTCAGC | GAACCGCGTC | GCTAGGGTCT | GGGTAAAAC |
| | 22921 | CCGACGACAG | GAGACGACGA | GCACACTCGT | GTCCGGAGAG | TGGATCGCTT | CCCGCAGCCA |
| 35 | 22981 | GCGGATCAGC | GCGGTAGTTT | TTCCCGACCC | CATTGGCGCG | CGGACCACAG | TCACGCACCT |
| | 23041 | GGCCGTCGGG | GCGCTCGCGT | TGGGGAAGGT | GACGGGTCCG | TGCTGCTGCC | GCTCGATCGT |
| | 23101 | TGTTTTTCGGG | TGAACCCGGG | GCACCCATT | GGCCAAATCC | CCCCCGTACA | ACATCCGCGC |
| | 23161 | TAGCGATACG | CTCGACGTGT | ACTGTTTCGCA | CTCGTCGTCC | CCAATGGGAC | GCCCGGCCCC |
| | 23221 | CAGAGGATCT | CCCGACTCCG | CGCCCCCAC | GAAAGGCATG | ACCGGGGCGC | GGACGGCGTG |
| 40 | 23281 | GTGGGTCTGG | TGTGTGCAGG | TGGCGACGTT | TGTGGTCTCT | GCGGTCTGCG | TCACGGGGCT |
| | 23341 | CCTCGTCTTG | GCCTCTGTGT | TCCGGGCACG | GTTTCCCTGC | TTTACGCCA | CGGCGAGCTC |
| | 23401 | TTATGTCGGG | GTGAACCTCA | CGGCGAGGT | GACGCGGGGT | GTAGGCTGCT | CCCTCAGGTT |
| | 23461 | GGACACGCAG | AGCCTTGTGG | GCACCTTATG | AATCACGGCC | GTGTTGTTGT | TGGCCGTGGC |
| | 23521 | CGTGTATGCC | GTGGTTCGGC | CCGTGACCTC | CCGCTACGAC | CGCGCCCTGG | ACGCGGGCCG |
| 45 | 23581 | CCGTCTGGCT | GCGGCCCGCA | TGGCCATGCC | GCACGCCACG | CTGATCGCCG | GAAACGTCTG |
| | 23641 | CTCTTGTTTG | CTGCAGATCA | CCGTCTGTGT | GCTGGCCCAT | CGCATCAGCC | AGCTGGCCCA |
| | 23701 | CCTGGTTTTAC | GTCCTGCACT | TTGCGTGTCT | GGTGTATTTT | GCGGCCCAT | TTTGCACCAG |
| | 23761 | GGGGGTCTCT | AGCGGGACGT | ATCTGCGTCA | GGTGCACGGC | CTGATGGAGC | TGGCCCCGAC |
| | 23821 | CCATCATCGC | GTCGTTCGGC | CGGCTCGCGC | CGTGTGACA | AACGCCTTGC | TGTTGGGCGT |
| 50 | 23881 | CTTCTCTGTG | ACGGCCGACG | CCGCGGTATC | CCTGAATACC | ATCGCCGCGT | TCAACTTTAA |
| | 23941 | TTTTTTCGGC | CCGGGCATGC | TCATCTGCCT | GACCGTGCTG | TTTCGCTATC | TTCGTCGTATC |
| | 24001 | GCTGTTGTTG | GTGGTTCGAGG | GGGTGTTGTG | TACTACGTG | CGCGTGTGTT | TGGGCCCCCA |
| | 24061 | CCTGGGGGCC | GTGGCCGCCA | CGGGCATCGT | CGGCCTGGCC | TGCGAGCACT | ATTACACCAA |
| | 24121 | CGGCTACTAC | GTTGTGGAGA | CGCAGTGGCC | GGGGGCTCAG | ACGGGAGTCC | GCGTCGCCCT |
| 55 | 24181 | CGCCCTGGTC | GCCGCCTTTG | CCCTCGGCAT | GGCCGTGCTC | CGCTGCACCC | GCGCCTATCT |
| | 24241 | GTATCACAGG | CGGCACCACA | CCAAATTTTT | TATGCGCATG | CGCGACACGC | GACACCGCGC |
| | 24301 | ACATTCCGCC | CTCAAGCGCG | TACGCAGTTC | CATGCGCGGA | TCGCGAGACG | GCCGCCACAG |
| | 24361 | GCCCGCACCC | GGCAGCCCGC | CCGGGATTCC | CGAATATGCG | GAAGACCCCT | ACGCGATCTC |
| | 24421 | ATACGGCGGC | CAGCTCGACC | GGTACGGAGA | TTCCGACGGG | GAGCCGATTT | ACGACGAGGT |

| | | | | | | | |
|----|-------|------------|-------------|------------|--------------|-------------|-------------|
| | 24481 | GGCGGACGAC | CAAACCGACG | TATTGTACGC | CAAGATACAA | CACCCGCGGC | ACCTGCCCCGA |
| | 24541 | CGACGATCCC | ATCTATGACA | CCGTTGGGGG | GTACGACCCC | GAGCCCGCCG | AGGACCCCGT |
| | 24601 | GTACAGCACC | GTCCGCCGTT | GGTAGCTGTT | TGGTTCCGTT | TTAATAAACC | GTTTGTGTTT |
| 5 | 24661 | AACCCGACCG | TGGTGTATGT | CTGGTGTGTG | GCGTCCGATC | CCGTTACTAT | CACCGTCCCC |
| | 24721 | CCCCCCCCCT | CAACCCCGGC | GATTGTGGGT | TTTTTAAAAA | CGACACGCGT | GCGACCGTAT |
| | 24781 | ACAGAACATT | GTTTTGTTTT | TTATTTCGTA | TCGGACATGG | GGGGTGGAAA | CTGGGTGGCG |
| | 24841 | GGGCAGGCGC | CTCCGGGGGT | CCGCCGGTGA | GTGTGGCGCG | AGGGGGGGTC | CGATGAACGC |
| | 24901 | AGGCGCTGTC | TCCCCGGGGC | CCGCGTAAAC | CCGCGCATAT | CCGGGGGGCAC | GTAAGAAATTA |
| | 24961 | CCTTCCTCTT | CGGACTCGAT | ATCCACGACG | TCAAAGTCGT | GGGCGGTCAG | CGAGACGACC |
| 10 | 25021 | TCCCCGTCGT | CGGTGATGAG | GACGTTGTTT | CGGCAGCAGC | AGGGCCGGGC | CCCGGAGAAC |
| | 25081 | GAGAGGCCCA | TAGCTCGGCG | AGCGTGTGCT | CGAATGCCAG | GCGGCTGCTT | CGCTGGATGG |
| | 25141 | CCTTATAGAT | CTCCGGATCG | ATGCGGACGG | GGGTAATGAT | CAGGGCGATC | GGAACGGCCT |
| | 25201 | GGTTCGGGAG | AATGGACGCC | TTGCTGGGTC | CTGCGGCCCC | GAGAGCCCCG | GCGCCGTCCT |
| | 25261 | CCAGGCGGAA | CGTTACGCCC | TCCTCCGCGC | TGGTGC GG TG | CCTGCCGATA | AACGTCACCA |
| 15 | 25321 | GATGCGGGTG | GGGGGGGCG | TCGGGGAAGT | GGCTGTGCG | CACGTAGCCC | TGCACCAAGA |
| | 25381 | TCTGCTTAAA | GTTTCGGGTGA | CGGGGGTTCC | CGAAGACGGG | CTCGCGGCGG | ACCAGATCCC |
| | 25441 | CGGAGCTCCA | GGACACGGGG | GAGATGGTGT | GGCGTCCGAG | GTCGGGGGCG | CCAAACAGAA |
| | 25501 | GCACCTCCGA | GACAACGCCG | CTATTTAACT | CCACCAAGGC | CCGATCCGCG | GCGGAGCACC |
| | 25561 | GCCTTTTTTC | GCCCGAGGCG | TGGGCCTCTG | ACCAGGCCTG | GTCTTGCGTG | ACGAGAGCCT |
| 20 | 25621 | CCTCCGGGCC | GGGGACGCGC | CCGGGCGCGA | AGTATCGCAC | GCTGGGCTTC | GGGATCGACC |
| | 25681 | GGATAAATGC | CCGGAACGCC | TCCGGGGACC | GGTGTGCCAT | CAAGTCCTCG | TACGCGGAGG |
| | 25741 | CCGTGGGGTC | GCTGGGGTCC | ATGGGGTCGA | AAGCGTACTT | GGCCCGGCAT | TTGACCTCGT |
| | 25801 | AAAAGGCCAG | GGGGGTCTTG | GGGACTGGGG | CCAGGTAGCC | GTGAATGTCC | CGAGGACAGA |
| | 25861 | CGAGAATATC | CAGGGACGCC | CCGACCATCC | CCGTGTGACC | GTCCATGAGC | ACCCACACAG |
| 25 | 25921 | TATGACAGTT | CTCTTCGGCG | AGGTCTGCTG | GTTTCGTGGA | GATAAAGCGC | GCGTGTTCGG |
| | 25981 | CGCCGGCCTC | GCCGCCGTCG | TCCGCGCGGC | CCACGCAGTA | GCGAAACAGC | AGGCTTCGGG |
| | 26041 | CCGTGCGCTC | GTTACCCGCG | CCGAACATCA | CCGCCGAAGA | CTGTACATCC | GGCCGCAGGC |
| | 26101 | TGGCGTTGTG | CTTCAGCCAC | TGGGGCGAGA | AACACGGACC | CTGGGGGCCC | CAGCGGAGGG |
| | 26161 | TGGATGCGGT | CGTGAGGCC | CGCCGGAGCA | GGGCCCATAG | CTGGCAGTCG | GCCTGGTTTT |
| 30 | 26221 | GCGTGGCCGC | CTCGTAAAC | CCCATGAGGG | GCCGGGGCGC | CACGGCGTCC | GCGGCGGCCG |
| | 26281 | GGGGCCCGCG | GCGCGTCAGG | CGCCATAGGT | GCCGACCGAG | TCCGCGGTCC | ACCATACCCG |
| | 26341 | CCTCCTCGAG | GACCACGGCC | AGGGAACACA | GATAATCCAG | GCGGGCCAG | AGGGGACCGA |
| | 26401 | TGGCCAGAGG | GGCGCGGACG | CCGCGCAGCA | ACCCGCGCAG | GTGGCGCTCG | AACGCTCTCG |
| | 26461 | CTAGTATATG | GGAGGGCAGC | CGTTTGGGGA | TCACCGACGC | CGACCACATA | GAGTCAAGGT |
| 35 | 26521 | CCGGGGAGTC | GGGATCGGCG | TCCGGGTGCG | GGGCGTGGGT | GCCCCCAGGA | GATAGCGGAA |
| | 26581 | TGTCTGGGGT | CGGAGGCCCT | GAGGCGTCAG | AAAGTGCCGG | CGACGCGGCC | CGGGGCTTTT |
| | 26641 | CGTCTGCGGT | GTCGGTGGCG | TGCTGATCAC | GTGGGGGGTT | AACGGGCGAA | TGGGAGCTCG |
| | 26701 | GGTCCACAGC | TGATGTCGTC | TGGGGTGGGG | GGGGCAGGGG | ACGGAAAGTG | GTTGTTCAGCG |
| | 26761 | GAAGACTGTT | AGGGCGGGGG | CGCTTGGGGG | GGCTGTGCGG | GCCACGAGGG | GTGTCTTCGG |
| 40 | 26821 | CCAGGGCCCA | GGGACGCTTA | GTCACGGTGC | GTCCCGGCGG | ACATGCTGGG | CCTACCGTGG |
| | 26881 | ACTCCATTTT | CGAGACGACG | TGGGGGGAGC | GGTGGTTGAG | CGCGCCGCCC | GGTGAACGCT |
| | 26941 | GATTCTCAGC | ACAGCGCGTG | CCGCGCGCAC | GGGTTGGTGT | GACACAGGCG | GACACACGAG |
| | 27001 | ACCAGAGAGG | GCTTAAGCTC | GGGAGGCAGC | GCCACCGACG | ACAGTATCGC | CTTGTGTGTG |
| | 27061 | TGCTGGTAAT | TTATACACCG | ATCCGTAAAC | GCGCGCCGAA | TCTTGGGATT | GCGGAGGTGG |
| 45 | 27121 | CGCCGGATGC | CCTCTGGGAC | GTCATACGCC | AGGCCGTGGG | TGTTGGTCTC | GGCCGAGTTG |
| | 27181 | ACAAACAGGG | CTGGGTGCAG | CACGCAGCGA | TAGGCGAGCA | GGGCCAGGGC | GAAGTCCGGC |
| | 27241 | GACAGCTGGT | TGTTAAAATA | CTGGTAAACG | GGAAACCGGG | TCACGGGTAC | GCCCAGGCTC |
| | 27301 | GGGGCGACGT | ACACGCTAAC | CACCAACTCC | AGCAGCGTCT | GGCCCAGGGC | GTACAGGTCA |
| | 27361 | ACCGCTAAC | CGACGTCGTG | CTTCAGGCGG | TGGTTGGTAA | ATTCGGCCCC | TTCTGTTGTTA |
| 50 | 27421 | AGGTATTTCA | CCAACAGCTC | CGGGGGCTGG | TTATACCCGT | GACCCACCAG | GGTGTGAAAG |
| | 27481 | TTGGCTGTGG | TTAGGCGGGT | GGGCATGCCA | AACATCCGGG | GGGACTTGAG | GTCCGGCTCC |
| | 27541 | TGGAGGCAAA | ACTGCCCCCG | GGCGATCGTG | GAGTTGGAGT | TGAGGGTGAC | GAGGCTAAAG |
| | 27601 | TCGGCGAGGA | CGGCCCGCCG | GAGCGAGACG | GCGTCCGACC | GCAGCATGAC | GAGGATGTTG |
| | 27661 | GCGCACTTGA | TATCCAGGTG | GCTGATCCCC | CAGGTGGTGT | TTAAAAACAC | AACGGCGCGG |
| 55 | 27721 | GCCAGCTCCG | TGAAGCACTG | GTGGAGGGCC | GTCGAGACCG | AGGGGTTTGT | TGTGCGCAGG |
| | 27781 | GACGCCAGTT | GGCCGATATA | CTTACCGAGG | TCCATGTGCT | ACGCGGGGAA | CACATCTGT |
| | 27841 | CGTTGTTGCA | GCGAGAACCC | GAGGGGCGCG | ATGAAGCCGC | GGATGTTGTG | GGTGCGGCCG |
| | 27901 | GCGCGTAGAA | CGCACTCCCC | GACCAACAGG | GTCGCGATGA | GCTCAACGGC | AAACCACTCC |
| | 27961 | TTTTCCTTTA | TGGTCTTAAC | GGCAAGCTTA | TGTTGCGGAA | TCAGTTGGAC | GTACCCGTAT |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|------------|-------------|
| | 28021 | CCCCCAGACC | CCCCGAAGCT | TCGGGCCCCG | GGGATCTCGA | GGGTCGTGTA | GTGTAGGGCG |
| | 28081 | GGGTTGATGG | CGAACACGGG | GCTGCATAGC | TTGCGGATGC | GCGTGAGGGT | GAGGATGTGC |
| | 28141 | GAGGGGGACG | AGGGGGGTGC | GGTTAACGCC | GCCTGGGATC | TGCGCAGGGG | CGGGCGGTTC |
| 5 | 28201 | AGTTTGGCCG | CCGTACCGGG | CGTCTCGGGG | GACGCGCGGC | GATGAGACGA | GCGGCTCATTT |
| | 28261 | CGCCATCGGG | ATAGTCCCGC | GCGAAGCCGC | TCGCGGAGGC | CGGATCGGTG | GCGGGACC CG |
| | 28321 | TGGGAGGAGC | GGGAGACGGC | GGCGTCTTGG | AGAGAGGGGC | CGCTGGGGCG | CCCGGAGG CC |
| | 28381 | CCGTGGGGGT | TGGAGTGTAC | GTAGGATGCG | AGCCAATCCT | TGAAGGACCG | TTGGCGTG CA |
| | 28441 | CCTTGGGGGC | TGAGGTTAGC | TGCCACATGA | CCAGCAGGTC | GCTGTCTGCG | GGACTCAT CC |
| 10 | 28501 | ATCCTTCGGC | CAGGTCGCCG | TCTCCCCACA | GAGAAGCGTT | GGTCGCTGCT | TCCTCGAG TT |
| | 28561 | GCTCCTCCTG | GTCCGCAAGA | CGATCGTCCA | CGGCGTCCAG | GCGCTCACCA | AGCGCCGG AT |
| | 28621 | CGAGGTACCG | TCGGTGTGCG | GTTAGAAAGT | CACGACGCGC | CGCTTGCTCC | TCCACGCG AA |
| | 28681 | TTTTTAACACA | GGTCGCGCGC | TGTCGCATCA | TCTCTAAGCG | CGCGCGGGAC | TTTAGCCG CG |
| | 28741 | CCTCCAATTC | CAAGTGGGCC | GCCTTTGCGAG | CCATAAAGGC | GCCAACAAAC | CGAGGATC TT |
| 15 | 28801 | GGGTGCTGAC | GCCCTCCCGG | TGCAGCTGCA | GGGTCTGGTC | CTTGTAATC | TCGGCTCG GA |
| | 28861 | GGTGCGTCTC | GGCCAGGCGT | CGGCGCAGGG | CCGCGTGGGC | GGCATCTCGG | TCCATTCC GC |
| | 28921 | CACCCGTCCG | GCGACCCGGG | GGGTGCTCTG | ATAGTCTCGC | GTGCCCAAGG | CCCGTGAT CG |
| | 28981 | GGGTACTTCG | CCGCCGCGAC | CCGCCACCCG | GTGTGCGCGA | TGTTTGGTCA | GCAGCTGG CG |
| | 29041 | TCCGACGTCC | AGCAGTACCT | GGAGCGCCTC | GAGAAACAGA | GGCAACTTAA | GGTGGGCG CG |
| 20 | 29101 | GACGAGGCGT | CGGCGGGCCT | CACCATGGGC | GGCGATGCCC | TACGAGTGCC | CTTTTTAG AT |
| | 29161 | TTGCGGACCG | CGACCCCAA | GCGCCACCAG | ACCGTGGTCC | CTGGCGTCGG | GACGCTCC AC |
| | 29221 | GACTGCTGCG | AGCACTCGCC | GCTCTTCTCG | GCCGTGGCGC | GGCGGCTGCT | GTTTAATA GC |
| | 29281 | CTGGTGCCCG | CGCAACTAAA | GGGGCGTGAT | TTGCGGGGCG | ACCACACGGC | CAAGCTGG AA |
| | 29341 | TTCTTGCCCG | CCGAGTTGGT | ACGGGCGGTG | GCGCGACTGC | GGTTTAAGGA | GTGCGCGC CG |
| | 29401 | GCGGACGTGG | TGCCCTCAGC | TAACGCCTAC | TATAGCGTTC | TGAATACGTT | TCAGGCC TC |
| 25 | 29461 | CACCGCTCCG | AAGCCTTTTCG | CAGCTTGGTG | CACCTTGTGC | GGGACTTTGC | CCAGCTGC TC |
| | 29521 | AAAACCTCCT | TCCGGGCCCTC | CAGCCTCACG | GAGACCACGG | GCCCCCCCAA | AAAACGGG CC |
| | 29581 | AAGGTGGACG | TGGCCACCCA | CGGCCGGACG | TACGGCACGC | TGGAGCTGTT | CCAAAAAA TG |
| | 29641 | ATCCTTATGC | ACGCCACCTA | CTTTCTGGCC | GCCGTGCTCC | TCGGGGACCA | CGCGGAGC AG |
| 30 | 29701 | GTCAACACGT | TCCTGCGTCT | CGTGTTTGAG | ATCCCCCTGT | TTAGCGACGC | GGCCGTGC GC |
| | 29761 | CACTTCCGCC | AGCGCGCCAC | CGTGTTTCTC | GTCCCCCGGC | GCCACGGCAA | GACCTGGT TT |
| | 29821 | CTGGTGCCCC | TCATCGCGCT | GTGCTGGGCC | TCCTTTTCGGG | GGATCAAGAT | CGGTACAC CG |
| | 29881 | GCGCACATCC | GCAAGGCGAC | CGAGCCGGTG | TTTGAGGAGA | TCGACGCCTG | CCTGCGGG GC |
| | 29941 | TGGTTTCGGT | CGGCCCGAGT | GGACCAGTT | AAAGGGGAAA | CCATCTCCTT | CTCGTTTC CG |
| 35 | 30001 | GACGGTTCGC | GCAGTACCAT | CGTGTTTGCC | TCCAGCCACA | ACACAAACGT | AAGTCTCT TT |
| | 30061 | TTCTTTTCGCA | TGGCTCTCCC | AAGGGGCCCC | GGGTGACCC | GACCCACACC | CACCCACC CA |
| | 30121 | CATACACACA | CAACCAGACG | CGGGAGGAAA | GTCTGCCCCG | TGGGCACTGA | TTTTTAT TC |
| | 30181 | GGATCGCTTG | AGGAGGCCCG | GGCAACGGCC | CGGGCAACGG | TGGGGCAACT | CGTAGCAA AT |
| | 30241 | AGGCGACTGA | TGTACGAAGA | GAAGACACAC | AGGCGCCACC | CGGCGCTGGT | CGGGGGGATG |
| 40 | 30301 | TTGTCCGCGC | CGCACCGTCC | CCCGACGACC | TCTTGACAGC | GGTCCGTGAT | GCAAGGAC GG |
| | 30361 | CGGGGGGCCCT | GCAGCAGGGT | GACCGTATCC | ACGGGATGGC | CAAAGAGAAG | CGGACACAGG |
| | 30421 | CTAGCATCCC | CCTGGACCGC | CAGGGTACAC | TGGGCCATCT | TGGCCACAG | ACACGGGG CG |
| | 30481 | ACGCAGGGAC | AGGACTCCGT | TACGACGGAG | GAGAGCCACA | GTGCGTTGGC | GGAACTGATG |
| | 30541 | TGGGGCGGCG | GGGCGCAGGA | CTCGCAGCCC | CCCGGGTGGT | TGGTGATCCT | GGCCAGGAGC |
| 45 | 30601 | CATCCCAGAT | GGCGGGCCCT | GCTTCCCGGT | GGACAGAGCG | ACCCAGGTC | GCTGTCCATG |
| | 30661 | GCCCAGCAGT | AGATCTGGCC | GCTGGGGAGG | TGCCACCAGG | CCCCCGGGCC | CAAGGCGC AG |
| | 30721 | CACGCGCCCC | GCTCCGGGGG | GGTCTTCGCG | GGGACCAGAT | ACGCGCCATC | CAGCTCGC CG |
| | 30781 | ACCACTGGCT | CCTCCGCGAG | CTGTTCCGGT | GTTGGGTCGG | GGGTTTCTCT | CGGGGGGGTG |
| | 30841 | GCCGCCCGTA | TGCGTGCGAA | CGTGAGGGTG | CACAGGAGCG | GGGTGAGGGG | GTGCGTCACG |
| 50 | 30901 | CTCCGGAGGT | GGACGATCGC | GCAGTAGCGG | CGCTCGCGGT | TAAAGAAAAA | GAGGGCAAG |
| | 30961 | AAGGTGTTTC | GGGGCAACCG | CAGCGCCTTG | GGGCGCGTCA | GATACAGAAA | AATCTCGC AG |
| | 31021 | AAGAGGGCGC | GCCCAGGGTC | TGGGTTAGGA | AGGGCCACCT | GACACAGAGG | CTCGGTGAGG |
| | 31081 | ACCGTTAGAC | ACCGAAAGAT | CTTGAGCCGC | TCGTCCGCCC | GAACGACGCG | CCACACAAAG |
| | 31141 | ACGGAGTTGA | CAATGCGCGC | GATAGAGTCG | ACGTCCGTCC | CCAGGTGCTC | GACTCTAT TC |
| | 31201 | CGCGTGCCGC | GAGCTCCGGC | CCGGGAATCC | GGCCGGGGCA | AGGTCCCCGG | GGGACCAGGC |
| 55 | 31261 | GGCGCCAGGG | GCCGCCGGGG | TCCCAGCTGC | GCCATGCCGG | GGGCGGGGGG | AGGGCAAACC |
| | 31321 | CCAGAGGCGG | GGGCCAACGG | CGCGGGGAGG | AGTGGGTGGG | CGAGGTGGCC | GGGGGAAGGC |
| | 31381 | GCCCGCTAGC | GAGACCGGCC | GTTCCCGGAC | GACACCTTGC | GACAAAACCT | AAGGACAGCG |
| | 31441 | GCCCGCGCGA | CGGGGTCCGA | GAGGCTAAGG | TAGGCCGCGA | TGTTAATGGT | GAACGCAAG |
| | 31501 | CCGCCGGGAA | AGACAACATAT | GCCACAGAGG | CGGCGATTAA | ACCCAGGCA | GAGGTAGGCG |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 31561 | TAGCTTTCCC | CGGGCAGGTA | TTGCTCGCAG | ACCTTGCCTG | GGGCTGTGGA | GGGGACGGCC |
| | 31621 | TCCATGAAGC | GACATTTACT | CTGCTCGCGT | TTACTGACGT | CACCATCCAT | CGCCACGGCG |
| | 31681 | ATTGGACGAT | TGTTAAGCCG | CAGCGTGTCT | CCGCTTGTGC | TGTAGTAGTC | AAAAACGTAA |
| 5 | 31741 | TGGCCGTCGG | AGTCGGCAAA | GCGGGCCGGG | AGGTCGTGCG | CGAGCGGGAC | GACCCGCCGC |
| | 31801 | CCCCGACCGC | CCCGTCCCCC | CAGGTGTGCC | AGGACGGCCA | GGGCATACGC | GGTGTGAAAA |
| | 31861 | AAGGCGTCGG | GGGCGGTCCC | CTCGACGGCG | CGCATCAGGT | TCTCGAGGAG | AATGGGGAAG |
| | 31921 | CGCCTGGTCA | CCTCCCCCAA | CCACGCGCGT | TGGTCGGGGC | CAAAGTCATA | GCGCAGGCGC |
| | 31981 | TGTGAGATTG | GCGGGCCGCC | CTGAAGCGCG | GCCCCGATGG | CCTGGCCAG | GGCCCGGAGG |
| 10 | 32041 | CACGCCAGAT | GTATGCGCGC | GGTAAAGGCG | ACCTCGGCGG | CGATGTCAAA | GGGCGGCAGG |
| | 32101 | ACGGGGCGCG | GGTGGCGCAG | GGGCACCTCG | AGCGCGGGAA | AGCGTAGCAG | CAGCTCCGCC |
| | 32161 | TGCCCAGCGG | GAGACAGCTG | GTGGGGGCGC | ACGACGCGTT | CTGCGGCGCA | GGCCTCGGTC |
| | 32221 | AGGGCCGTGG | CCAGCGCCGA | GGACAGCAGC | GGAGGGCGGG | CGCGTCGCC | GCCCCACGCC |
| | 32281 | ACGGAGTTC'T | CGTAGGAGAC | GACGACGAAG | CGCTGCTTGG | TTCCGTAGTG | GTGGCGCAGG |
| 15 | 32341 | ACCACGGAGA | TAGAACGACG | GCTCCACAGC | CAGTCCGGCC | GGTCGCCGCC | GGCCAGGGCT |
| | 32401 | TCCCATCCGC | GATCCAACCA | CTCGACCAGC | GACCGCGGCT | TTGCGGTACC | AGGGGTAAGG |
| | 32461 | GTTAGAACGT | CGTTCAGGAT | GTCTTCGCCC | CCGGGCCCGT | GGGGCGCTGG | GGCCACAAAG |
| | 32521 | CGCCCCCGCG | CGGGGGGCTC | CAGACCCGCC | AGCACCGCAT | CTGCGTCAGC | CGCCCCCATG |
| | 32581 | GCGCCCCCGC | TGACGGCCTG | GTGAACCAGG | GCGCCCTGGC | GTAGCCCCGA | TGCAACGCCA |
| 20 | 32641 | CAGGCCGCAC | GCCCGGTCCG | CGCTCGGACC | GGGTGGCGGC | GGGTGACGTC | CTGCAC'TGCC |
| | 32701 | CGCTGAACCA | ACGCGAGGAT | CTCCTCGTTC | TCCTGTGCGA | TGGACACGTC | CTGGGCCGCG |
| | 32761 | GTCGTGTGCG | CGCCGGGGGC | CGTCAGCTGC | TCCTCCGGGG | AGATGGGGGG | GTCGGACGCC |
| | 32821 | CCGACGATGG | GCGGGTCTGC | GGGCGCCCCC | GCGTGGGGCC | GGGCCAAGGG | CTGCGGACGC |
| | 32881 | GGGGACGCGC | TTTCCCCCAG | ACCCATGGAC | AGGTGGGGCC | CAGCCTCCTT | CGCGGCCGGC |
| 25 | 32941 | GGGGACGCGC | CGCCAAGCAG | AGCGACGTAG | GGGCACAAAT | GCCGACAGAG | CGCATGATG |
| | 33001 | CGCGTGTGCT | CGGCGCGGTA | GCGCGTGTG | GGGGGGACGA | GCTCGTCGTA | ACTAAACAGA |
| | 33061 | ATCACGCGGG | CACAGCTCGC | CCCCGAGCCC | CACGCAAGGC | GCAGCGCCGC | CACGGCGTAC |
| | 33121 | GGGTCATAGA | CGCCCTGCGC | GTCACACACC | ACGGGCAGGG | AGACGAACAA | CCCCCGGGCG |
| | 33181 | CTGGACGCAC | GCGGAAGGAG | GCCAGGGTGT | GCCGGCACGA | CGGGGGCCAG | AAGCTCCCCC |
| 30 | 33241 | ACCGCATCCG | CGGGCACGTA | GGCGGCAAAC | GCCGTGCACC | ACGGGGTACA | GTCGCCGGTG |
| | 33301 | GCATGAGCCC | GAGTCTGGAT | TTCCGACCTG | AAGTTTGC GG | CCGTCCCCGAG | TCCGGGGCGG |
| | 33361 | CCGCGCATCA | GGGCGGCCAG | AGGGATTTCC | GCGGCCGCCA | GGCACTCGCT | GGATATGATG |
| | 33421 | ACGTGAACCA | AAGACCGAGG | GCCGACCCGG | GCCGTGGCCG | AGATCGTCTG | GACCTCGTTG |
| | 33481 | GCCAAGTGGC | CGTTCATGTT | TCCGGGGTGG | GCTGTGGGTG | GTAGGCGATG | CGGTCCTCCC |
| 35 | 33541 | GAGTCCGCGG | GAAGGGCGTG | GGTTTGGCGC | GCGTATGCGT | ATTCCGCCAAG | GGAGGCGTGC |
| | 33601 | GTGCTTATGC | GCGGCGCGTT | TCTTCTGTCT | CTAGGGAATC | CGAGGCCAGG | ACTTTAACC'T |
| | 33661 | GCTCTTTGTC | GACGAGGCCA | ACTTTATTCG | CCCGGATGCG | GTCCAGACGA | TTATGGGCTT |
| | 33721 | TCTCAACCAG | GCCAACTGCA | AGATTATCTT | CGTGTGCTCC | ACCAACACCG | GGAAGGCCAG |
| | 33781 | TACGAGCTTT | TTGTACAACC | TCCGCGGGGC | CGCAGACGAG | CTTCTCAACG | TGGTGACCTA |
| 40 | 33841 | TATATGCGAT | GATCACATGC | CGAGGGTGGT | GACGCACACA | AACGCCACGG | CCTGTTCTTG |
| | 33901 | TTATATCCTC | AACAAGCCCC | TTTTTCATCAC | GATGGACGGG | GCGGTTTCGCC | GGACCGCCGA |
| | 33961 | TTTGT'TTCTG | GCCGATT'CCT | TCATGCAGGA | GATCATCGGG | GGCCAGGCCA | GGGAGACCGG |
| | 34021 | CGACGACCGG | CCCGTTCTGA | CCAAGTCTGC | GGGGGAGCGG | TTTCTGTTGT | ACCGCCCTC |
| 45 | 34081 | GACCACCACC | AACAGCGGCC | TCATGGCCCC | CGATTTGTAC | GTGTCAGTGG | ATCCCGCGTT |
| | 34141 | CACGGCCAAC | ACCCGAGCCT | CCGGGACCGG | CGTCGCTGTC | GTCGGGCGGT | ACCGCGACGA |
| | 34201 | TTATATCATC | TTCCGCCCTGG | AGCACTTTTT | TCTCCGCGCG | CTCACGGGCT | CGGCCCCCGC |
| | 34261 | CGACATCGCC | CGCTGCGTCG | TCCACAGTCT | GACGCAGGTC | CTGGCCCTGC | ATCCCGGGGC |
| | 34321 | GT'TTTCGCGG | GTCCGGGTGG | CGGTCGAGGG | AAATAGCAGC | CAGGACTCGG | CCGTCCGCAT |
| | 34381 | CGCCACGCAC | GTGCACACAG | AGATGCACCG | CCTACTGGCC | TCCGAGGGGG | CCGACGCGGG |
| 50 | 34441 | CTCGGGCCCC | GAGCTTCTCT | TCTACCAC'TG | CGAGCCTCCC | GGGAGCGCGG | TGCTGTACCC |
| | 34501 | CTTTTTCCTG | CTCAACAAAC | AGAAGACGCC | CGCCTTTGAA | CACTTTATTA | AAAAGTTTAA |
| | 34561 | CTCCGGGGGC | GTCATGGCCT | CCCAGGAGAT | GCTTTCCGCG | ACGGTGCGCC | TGCAGACCGA |
| | 34621 | CCCGGTCGAG | TATCTGCTCG | AGCAGCTAAA | TAACCTCACC | GAAACCGTCT | CCCCAACAC |
| | 34681 | TGACGTCCGT | ACGTATTCCG | GAAAACGGAA | CGGCGCCTCG | GATGACCTTA | TGGTCGCCGT |
| | 34741 | CATTATGGCC | ATCTACCTCG | CGGCCAGGGC | CGGACCTCCG | CACACATTCG | CTCCTATCAC |
| 55 | 34801 | ACGCGTCTCG | TGAGCGCCCA | ATAAACACAC | CCAGGTATGC | TACGCACGAC | CACGGTGTCTG |
| | 34861 | TCTGT'TAAGG | GGGGGGGGGG | AAGGGGGTGT | TGGCGGGAAG | CGTGGGAACA | CGGGGGATTCT |
| | 34921 | TCTCACGACC | GGCACCAGTA | CCACCCCCCT | GTGAACACAG | AAACCCCAAC | CCAAATCCCA |
| | 34981 | TAAACATACG | ACACACAGGC | ATATTTTGGG | ATTTCTTAGG | TTTTTATTTA | TTTAGGTATG |
| | 35041 | CTGGGGTTTC | TCCCTGGATG | CCCACCCCCA | CCCCCCCCGTG | GGTCTAGCCG | GGCCTTAGGG |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|------------|
| | 35101 | ATAGCGTATA | ACGGGGGGCCA | TGTCTCCGGA | CCGCACAACG | GCCGCGCCGT | CAAAGGTGCA |
| | 35161 | CACCCGAACC | ACGGGAGCCA | GGGCCAAGGT | GTCTCCTAGT | TGGCCCGCGT | GGGTCAGCCA |
| | 35221 | GGCGACGAGC | GCCTCGTAAA | GCGGCAGCCT | TCGCTCTCCA | TCCTGCATCA | GGGCCGGGGC |
| | 35281 | TTCGGGGTGA | ATGAGCTGGG | CGGCCTCCCG | CGTGACACTC | TGCATCTGCA | GTAGAGCGTT |
| 5 | 35341 | CACGTACCCG | TCCTGGGCAC | TTAGCGCAAA | GAGCCGGGGG | ATTAGCGTAA | GGATGATGGT |
| | 35401 | GGTTCCCTCC | GTGATCGAGT | AAACCATGTT | AAGGACCAGC | GATCGCAGCT | CGGCGTTTAC |
| | 35461 | GGGACCGAGT | TGTTGGACGT | CCGCCAGCAG | CGAGAGGCGA | CTCCCGTTGT | AGTACAGCAC |
| | 35521 | GTTGAGGTCT | GGCAGCCCTC | CGGGGTTTCT | GGGGCTGGGG | TTCAGGTCCC | GGATGCCCTT |
| | 35581 | GGCCACGAGC | CGCGCCACGA | TTTCGCGCGC | CAGGGGCGAT | GGAAGCGGAA | CGGGAAACCG |
| 10 | 35641 | CAACGTGAGG | TCCAGCGAAT | CCAGGCGCAC | GTCCGTCGCT | TGGCCCTCGA | ACACGGGCGG |
| | 35701 | GACGAGGCTG | ATGGGGTCCC | CGTTACAGAG | ATCTACGGGG | GAGGTGTTGC | GAAGGTTAAC |
| | 35761 | GGTGCCGGCG | TGGGTGAGGC | CCACGTCCAG | GGGGCAGGCG | ACGATTCCGCG | TGGGAAGCAC |
| | 35821 | CCGGGTGATG | ACGCGGGGGA | AGCGCCTTCG | GTACGCCAGC | AACAACCCCA | ACGTGTCGGG |
| | 35881 | ACTGACGCCT | CCGGAGACGA | AGGATTCGTG | CGCCACGTCG | GCCAGCGTCA | GTTGCCGGCG |
| 15 | 35941 | GATGGTCGGC | AGGAATACCA | CCCGCCCTTC | GCAGCGCTGC | AGCGCGCCCG | CATCGGGGCG |
| | 36001 | CGAGATGCCC | GAGGGTATCG | CGATGTCAGT | TTCAAAGCCG | TCCGCCAGCA | TGGCGCCGAT |
| | 36061 | CCACGCGGCA | GGGAGTGCAG | TGGTGGTTTCG | GGTGGCGGGA | GGAGCGCGGT | GGGGGTGAGC |
| | 36121 | GGCGTAGCAG | AGACGGGCGA | CCAACCTCGC | ATAGGACGGG | GGGTGGGTCT | TAGGGGGTTG |
| | 36181 | GGAGGCGACA | GGGACCCAG | AGCATGCGCG | GGGAGGTCTG | TCGGGCCAG | ACGCACCGAG |
| 20 | 36241 | AGCGAATCCG | TCCGCGGAGT | CCCGGCTTGG | GTTTTATGGG | GCCCGGCCCT | CGGAATCGCG |
| | 36301 | GCTTGTCGGC | GGGGACAAAG | GGGGCGGGGC | TAGGGGCTTG | CGGAAACAGA | AGACGCGTGG |
| | 36361 | GATAAAAGAA | TCGCACTACC | CCAAGGAAGG | GCGGGGCGGT | TTATTACAGA | GCCAGTCCCT |
| | 36421 | TGAGCGGGGA | TGCGTCATAG | ACGAGATACT | GCGCGAAGTG | GGTCTCCCGC | GCGTGGGCTT |
| | 36481 | CCCGGTTGCG | GGCAGTCGGG | AGGAGGGCGG | GGTCTGCTGGC | GCAGGTGAGC | GGGTAGGCCT |
| 25 | 36541 | CCCTGAAACAG | GCCACACGGG | TCCCTCCACGA | GTTTCGCGGA | CCCCGGGGGG | CGCTTAAACT |
| | 36601 | GTACGTCGCT | GGCGGCGGGT | GCCGTGGACA | CCGCCGAACC | CGTCTCCACG | ATCAGGCGCT |
| | 36661 | CCAGGCAGCG | ATGTTTGGCG | GCGATGTCGG | CCGACGTAAA | GAACTTAAAG | CAGGGGCTGA |
| | 36721 | GCACCGGCGA | GGCCCCGTTG | AGGTGGTAGG | CCCCGTTATA | GAGCAGGTCC | CCGTACGAAA |
| | 36781 | ATCGCTGCGA | CGCCCACGGG | TTGGCCGTGG | CCGCGAAGGC | CCGGGACGGG | TCGCTCTGGC |
| 30 | 36841 | CGTGCTCGTA | CATGAGGGCG | GTGACATCCC | CCTCCTTGTC | CCCCCGGTAA | ACGCCCCCGG |
| | 36901 | CGGCGCGTCC | CCGGGGGTTG | CAGGGCCGGC | GGAAGTAGTT | GACGTCGGTC | GACACGGGGG |
| | 36961 | TGGCGATAAA | CTCACACACG | GCGTCTTGCC | CGTGGTCCAT | CCCTGCGCGC | CGCGGCACCT |
| | 37021 | GGGCGCACCC | GAACACGGGG | ACGGGCTGGG | CCGGCCCCAG | GCGGTTTCCC | GCCACGACCG |
| | 37081 | CGTTCCGCGA | GTACACGGCT | GCCGCGTTGT | CCAGGAGAGG | GGGAGCCCCG | CGGCCAGGTT |
| 35 | 37141 | AAAAGTTTTG | GGGAAGGTTG | CCCATGTCGG | TGACGGGGTT | GCGGACGGTT | GCCGTGGCCA |
| | 37201 | CGACGGCGGT | GTAGCCACAG | CCCAGGTCCA | CGTTTCGCGC | CGGCTGGGTG | AGCGTGAAGT |
| | 37261 | TTACCCCCC | GCCAGTTTCG | TGCCGGGCCA | CCTGGAGCTG | GCCCAGGAAG | TACGCCTCCG |
| | 37321 | ACGCGCGCTC | CGAGAACAGC | ACGTTCTCAG | TCACAAAGCG | GTCTGTCTCG | ACGACGGTGA |
| | 37381 | ACCCAAACCC | GGGATGGAGG | CCGTCCTTGA | GCTGATGATG | CAAGGCCACG | GGACTGATCT |
| 40 | 37441 | TGAAGTACCC | CGCCATGAGC | GCGTAGGTCA | GCGCGTTCTC | CCCGGCCGCG | CTCTCGCGGA |
| | 37501 | CGTGCTGCAC | GACGGGCTGT | CGGATCGACG | AAAAGTAGTT | GGCCCCCAGA | GCCGGGGGGA |
| | 37561 | CCAGGGGGAC | CTGCCGCGAC | AGGTCGCGCA | GGGCCGGGGG | GAAATTGGGC | GCGTTGCGCA |
| | 37621 | CGTGCTCGGC | CCCGGCGAAC | AGCGCGTGGA | CGGGGAGGGG | GTAAAAATAG | TCGCCATTTT |
| | 37681 | GGATGGTATG | GTCCAGATGC | TGGGGGGCCA | TCAGCAGGAT | TCCGGCGTGC | AACGCCCGGT |
| 45 | 37741 | CGAATATGCG | CATGTTGGTG | GTGGACGCGG | TGTTGGCGCC | CGCGTCGGGC | GCCGCCGAGC |
| | 37801 | AGAGCAGCGC | CGTTGTGCGT | TCGGCCATGT | TGTGGGCCAG | CACCTGCAGC | GTGAGCATGG |
| | 37861 | CGGGCCCGTC | CACTACCACG | CGCCCGTTGT | GAAACATGGC | GTTGACCGTG | TTGGCCACCA |
| | 37921 | GATTGGCCCG | GTGCAGGGGG | TGCGCGGGGT | CCGTCACGGG | GTCGCTGGGG | CACTCCTCGC |
| | 37981 | CGGGGGCGAT | CTCCGGGACC | ACCATGTTCT | GCAGGGTGGC | GTATACGCGG | TCGAAGCGAA |
| 50 | 38041 | CCCCGCGGT | GCAGCAGCGG | CCCCCGCAGA | AGGCGGGCAC | CATCACGTAG | TAGTAAATCT |
| | 38101 | TGTGGTGCAC | GGTCCAGTCC | GCCCCCGGTT | GCGGCCGGTC | ATCCGCGGCG | TCCGCGGCTC |
| | 38161 | GGGCCTGGGT | GTTGTGCAGC | AGCTGGCCGT | CGTTGCGGTT | GAAGTCCGCG | GTCGCCACGT |
| | 38221 | TACATGCCGC | CGCGTACACG | GGGTGCTGGC | CCCCCGCGCT | AACCCGGCAG | TCGCGATGGC |
| | 38281 | GGTCCAGGGC | CGCGCGCCGC | ATCAGGGCGT | CACAGTCCCA | CACGAGGGGT | GGCAGCAGCG |
| 55 | 38341 | CCGGGTCTCG | CATTAGGTGA | TTCAGCTCGG | CTTGCGCCTG | CCCGCCAGC | TCCGGGCCGG |
| | 38401 | TCAGGGTAAA | GTCATCAACC | AGCTGGGCCA | GGGCCTCGAC | GTGCGCCACC | AGGTCCCCGT |
| | 38461 | ACACGGCCAT | GCACTCCTCG | GGAAGGTCTC | CCCCGAGGTA | GGTCACGACG | TACGAGACCA |
| | 38521 | GCGAGTAGTC | GTTACAGAAC | GCCGCGCACC | GCGTGTTGTT | CCAGTAGCTG | GTGATGCACT |
| | 38581 | GGACCACGAG | CCGGGCCAGG | GCGCAGAAGA | CGTGCTCGCT | GCCGTGTATG | GCGGCCTGCA |

| | | | | | | | |
|----|-------|-------------|------------|-------------|------------|-------------|-------------|
| | 38641 | GCAGGTAAAA | CACCGCCGGG | TAGTTGCGGT | CGTCGAACGC | CCCGCGAACG | GCGGCGATGG |
| | 38701 | TGGCGGGGGC | CATGGCGTGG | CGTCCCACCC | CCAGCTCCAG | GCCCCGGGCG | TCCCCGAACG |
| | 38761 | CCGCCGGACA | TAGCGCCAGG | GGCAAGTTGC | CGTTCACCAC | GCGCCAGGTG | GCCTGGATCT |
| | 38821 | CCCCCGGGCC | GGCCGGGGGA | ACGTCCCCCC | CCGGCAGCTC | CACGTGCGCC | ACCCCCACAA |
| 5 | 38881 | AGAAGTCGAA | CGCGGGGTGC | AGCTCAAGAG | CCAGGTTGGC | GTTGTGCGGC | TGCATAAACT |
| | 38941 | GCTCCGGGGT | CATCTGGCCT | TCCGCGACCC | ATCGGACCCG | CCCGTGGGCG | AGGCGCTGCC |
| | 39001 | CCCAGGCGTT | CAAAAACAGC | TGCTGCATGT | CTGCGGCGGG | GCCGCGCGGG | GCCGCCACGT |
| | 39061 | ACGCCCCGTA | CGGATTGGCG | GCTTCGACGG | GGTCGCGGTT | AAGGCCCCCG | ACCGCCGCGT |
| | 39121 | CAACGTTTCAT | CAGCGAAGGG | TGGCACACGG | TCCCGATCGC | GTGTTCCAGA | GACAGGCGCA |
| 10 | 39181 | GCACCTGGCG | GTCTTTCCCC | CAAAAAACA | GCTGGCGGGG | CGGGAAGGCG | CGGGGATCCG |
| | 39241 | GGTGGCCGGG | GGCGGGGACT | AGGTCCCCGG | CGTGCGCGGC | AAACCGTTCC | ATGACCGGAT |
| | 39301 | TGAACAGGCC | CAGGGGCAGG | ACGAACGTCA | GGTCCATGGC | GCCCACCAGG | GGGTAGGGAA |
| | 39361 | CGTTGGTGGC | GGCGTAGATG | CGCTTCTCCA | GGGCCTCCAG | AAAGACCAGC | TTCTCGCCGA |
| | 39421 | TGGACACCAG | ATCCGCGCGC | ACGCGCGTCG | TCTGGGGGGC | GCTCTCGAGC | TCGTCCAGCG |
| 15 | 39481 | TCTGCCGGTT | CAGGTCGAGC | TGCTCCTCCT | GCATCTCCAG | CAGGTGGCGG | CCCACGTCGT |
| | 39541 | CCAGACTTCG | CACGGCCTTG | CCCATCACGA | CGCGCGTGAC | CAGGTTGGCC | CCGTTCAGGA |
| | 39601 | CCATCTCGCC | GTACGTCACC | GGCACGTCGG | CTTCGGTGTC | CTCCACTTTC | AGGAAGGACT |
| | 39661 | GCAGGAGGCG | CTGTTTGATC | GGGGCGGTGG | TGACGAGCAC | CCCGTCGACC | GGCCGCCCCG |
| | 39721 | GCGTGTCGGC | ATGCGTCAGA | CGGGGCACGG | CCACGGAGGG | CTGCGTGGCC | GTGGTGAGGT |
| 20 | 39781 | CCACGAGCCA | GGCCTCGACG | GCCTCCCGGC | GGTGGCCCCG | CTTGCCCAGG | AAAAAGCTCG |
| | 39841 | TCTCGCAGAA | GCTTCGCTTT | AGCTCGGCGA | CCAGGGTCGC | CCGGGCCACC | CTGGTGGCCA |
| | 39901 | GGCGGCCGTT | GTCCAGGTAT | CGTTGCATCG | GCAACAACAA | AGCCAGGGGC | GGCGCCTTTT |
| | 39961 | CCAGCAGCAC | GTGCAGCATC | TGGTCGGCCG | TGCCGCGCTC | AAACGCCCCG | AGGACGGCCT |
| 25 | 40021 | GGACGTTGCG | AGCGAGCTGT | TGGATGGCGC | GCAACTGGCG | ATGCGCGCCG | ATACCCGTCC |
| | 40081 | CGTCCAGGGC | CTCCCCCGTG | AGCAGGCTGA | TGGCCTCGGT | GGCCAGGCTG | AAGCGCGCGT |
| | 40141 | TCAGGGCCCC | GCGGTCGATA | ATCTTGGTCA | TGTAATTGTG | TGTGGGTTGC | TCGATGGGGT |
| | 40201 | GCGGGCCGTC | GCGGGCAATC | AGCGGCTGGT | GGACCTCGAA | CTGTACGCGC | CCCTCGTTCA |
| | 40261 | TGTAGGCCAG | CTCCGGAAC | TTGGTACACA | CGCACGCCAC | CGACAACCCG | AGCTCCAGAA |
| | 40321 | AGCGCACGAG | CGACAGGGTG | TTGCAATACG | ACCCAGCAG | GGCGTCGAAC | TCGACGTCGT |
| 30 | 40381 | ACAGGCTGTT | TGCATCGGAG | CGCACGCGGG | AAAAAAAATC | AAACAGGCGT | CGATGCGACG |
| | 40441 | CCACCTCGAT | CGTGCTAAGG | AGGGACCCGG | TCGGCACCAT | GGCCGCGGCA | TACCGGTATC |
| | 40501 | CCGGAGGGTC | GCGGTTGGGA | GCGGCCATGG | GGTCGCGTGG | AGATCGGCTG | TCTCTAGCGA |
| | 40561 | TATTTGGCCCG | GGGAGGCTAA | GATCCACCCC | AACGCCCCGC | CACCCGTGTA | CGTGCCCCGAC |
| | 40621 | GGCCCAAGGT | CCACCGAAAG | ACACGACGGG | CCCGGACCCA | AAAAGGCGGG | GGATGCTGTG |
| 35 | 40681 | TGAGAGGCCG | GGTGCCGGTC | GGGCGGGAAA | GGCACCGGGA | GAAGGCTGCG | GCCTCGTTCC |
| | 40741 | AGGAGAACCC | AGTGTCCCCA | ACAGACCCGG | GGACGTGGGA | TCCAGGCCT | TATATACCCC |
| | 40801 | CCCCCCCCGC | CCACCCCCGT | TAGAACGCGA | CGGGTGCATT | CAAGATGGCC | CTGGTCCAAA |
| | 40861 | AGCGTGCCAG | GAAGAAATTG | GCAGAGGCGG | CAAAGCTGTC | CGCCGCCGCC | ACCCACATCG |
| | 40921 | AGGCCCCGGC | CGCGCAGGCT | ATCCCCAGGG | CCCGTGTGCG | CAGGGGATCG | GTGGGCGGCA |
| 40 | 40981 | GCATTTGGTT | GGTGGCGATA | AAGTGGA AAA | GCCCCTCCGG | ACTGAAGGTC | TCGTGGGCGG |
| | 41041 | CGGCGAACAA | GGCACACAGG | GCCGTGCCCT | CCAAAAACAC | GGACATCCCC | CAAAACACGG |
| | 41101 | GCGCCGACAA | CGGCAGACGA | TCCCTCTTGA | TGTTAACGTA | CAGGAGGAGC | GCCCGCACCG |
| | 41161 | CCCACGTAAC | GTAGTAGCCG | ACGATGGCGG | CCAGGATACA | GGCCGGCGCC | ACCACCTTTC |
| | 41221 | CGGTCAGCCC | GTAATACATG | CCCGTGCCA | CCATCTCCAA | CGGCTTCAGG | ACCAAAAACG |
| 45 | 41281 | ACCAAAGGAA | CAGAATCACG | CGCTTTGAAA | AGACCGGCTG | GGTATGGGGC | GGAAGACGCG |
| | 41341 | AGTATGCCGA | ACTGACAAAA | AAATCAGAGG | TGCCGTACGA | GGACAATGAA | AACTGTTCCCT |
| | 41401 | CCAGCGGCAG | TTCTCCCTCC | TCCCCCCCCG | AGGCGGCCTC | GTCGACCAGA | TCTCGATCCA |
| | 41461 | CCAGAGGAAG | GTCATCCCGC | ATGGTCATGG | GGTGTGCGGT | GGAGGTGGGG | AGACCGAAAC |
| | 41521 | CGCAAAGGGT | CGCTTACGTC | AGCAGGATCC | CGAGATCAAA | GACACCCGGG | TTCTTGACAA |
| 50 | 41581 | AACACCACCC | GGGTTGCATC | CGCGGAGGCG | AGTGTTTTGA | TAAGGCGGTT | CCGCGCCTTG |
| | 41641 | ATATAACCTT | TGATGTTGAC | CACAAAACCC | GGAATTTACG | CCTACGCCCC | AATGCCACAG |
| | 41701 | CAAGATGAGG | TAGGTAACCG | CCCCGTGGGT | GTGACGTTGC | GTTTAGTTCA | TTGGAGGCCA |
| | 41761 | AGGGGAAAAA | TGGGGTGGGG | AGGAAACGGA | AAACCCAGTA | GGCCGTGTGCG | GGAACACGCC |
| | 41821 | CGGGGTTGTC | CTCAAAAAGG | AGGGTCCATA | CTACGGAAGC | CGTCGTTGTA | TTGAGACCTT |
| 55 | 41881 | GCCTGTGCAA | CGCACGTCGG | GGTTGCCTGT | GTCCGGTTCG | GCCCCACCG | CGTGCGGCAC |
| | 41941 | GCACGAGGAC | GAGTCCGCGT | GCTTTATTGG | CGTTCCAAGC | GTTGCCCTCC | AGTTTCTGTT |
| | 42001 | GTCGGTGTTT | CCCCATACCC | ACGCCCACAT | CCACCGTAGG | GGGCCTCTGG | GCCGTGTTAC |
| | 42061 | GTCGCCGCCC | GCGATGGAGC | TTAGCTACGC | CACCACCATG | CACTACCGGG | ACGTTGTGTT |
| | 42121 | TTACGTCACA | ACGGACCGAA | ACCGGGCCTA | CTTTGTGTGC | GGGGGTGTG | TTTATTCCGT |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|-------------|-------------|
| | 42181 | GGGGCGGCCG | TGTGCCTCGC | AGCCCGGGGA | GATTGCCAAG | TTTGGTCTGG | TCGTTCGAGG |
| | 42241 | GACAGGCCCA | GACGACCGCG | TGGTCGCCAA | CTATGTACGA | AGCGAGCTCC | GACAACGCGG |
| | 42301 | CCTGCAGGAC | GTGCGTCCCA | TTGGGGAGGA | CGAGGTGTTT | CTGGACAGCG | TGTGTCTTCT |
| 5 | 42361 | AAACCCGAAC | GTGAGCTCCG | AGCTGGATGT | GATTAACACG | AACGACGTGG | AAGTGCCTGA |
| | 42421 | CGAATGTCTG | GCCGAGTACT | GCACCTCGCT | GCGAACCAGC | CCGGGTGTGC | TAATATCCGG |
| | 42481 | GCTGCGCGTG | CGGGCGCAGG | ACAGAATCAT | CGAGTTGTTT | GAACACCCAA | CGATAGTCAA |
| | 42541 | CGTTTCTCTG | CACTTTGTGT | ATACCCCGTC | CCCATACGTG | TTCCCTCTGG | CCCAGGCGCA |
| | 42601 | CCTCCCCCGG | CTCCCGAGCT | CGCTGGAGGC | CCTGGTGAGC | GGCCTGTTTG | ACGGCATCCC |
| | 42661 | CGCCCCACGC | CAGCCACTTG | ACGCCCACAA | CCCGCGCACG | GATGTGGTTA | TCACGGGCCG |
| 10 | 42721 | CCGCGCCCCA | CGACCCATCG | CCGGGTCTGG | GGCGGGGTCT | GGGGGCGCGG | GCGCCAAGCG |
| | 42781 | GGCCACCGTC | AGCGAGTTCT | TGCAAGTCAA | ACACATTGAC | CGCGTGGGCC | CCGCTGGCGT |
| | 42841 | TTCGCCGCGC | CCTCCGCCAA | ACAACACCGA | CTCGAGTTCC | CTGGTGCCCC | GGGCCAGGA |
| | 42901 | TTCCGCCCCG | CCCGGCCCCA | CGCTAAGGGA | GCTGTGGTGG | GTGTTTATG | CCGCAGACCG |
| | 42961 | GGCGCTGGAG | GAGCCCCGCG | CCGACTCTGG | CCTCACCCGC | GAGGAGGTAC | GTGCCGTACG |
| 15 | 43021 | TGGGTTCGCG | GAGCAGGCGT | GGAAACTGTT | TGGTCTCGCG | GGGGCCCCCG | GGCGGTTTAT |
| | 43081 | CGGGGCCGCG | TTGGGCCTGA | GCCCCCTCCA | AAAGCTAGCC | GTTTACTACT | ATATCATCCA |
| | 43141 | CCGAGAGAGG | CGCCTGTCCC | CCTTCCCCGC | GCTAGTCCGG | CTCGTAGGCC | GGTACACACA |
| | 43201 | GCGCCACGGC | CTGTACGTCC | CTCGGCCCGA | CGACCCAGTC | TTGGCCGATG | CCATCAACGG |
| | 43261 | GCTGTTTTCG | GACGCGCTGG | CGGCCGGAAC | CACAGCCGAG | CAGCTCCTCA | TGTTTCGACCT |
| 20 | 43321 | TCTCCCCCCA | AAGGACGTGC | CGGTGGGAAG | CGACGTGCAG | GCCGACAGCA | CCGCTCTGCT |
| | 43381 | GCGCTTTATA | GAATCGCAAC | GTCTCGCCGT | CCCCGGGGGG | GTGATCTCCC | CCGAGCACGT |
| | 43441 | CGCGTACCTT | GGTGCGTTCC | TGAGCGTGCT | GTACGCTGGC | CGCGGGCGCA | TGTCCGCAGC |
| | 43501 | CACGCACACC | GCGCGGCTGA | CAGGGGTGAC | CTCCCTGGTG | CTAGCGGTGG | GTGACGTGGA |
| | 43561 | CCGTCTTTCC | GCGTTTGACC | GCGGAGCGGC | AGCCGCGGCG | AGCCGCGGCG | GGGCCGCCGG |
| 25 | 43621 | GTACCTGGAT | GTCTTCTTAA | CTGTTCTGCT | CGCTCGCTCC | CAACACGGAC | AGTCTGTGTA |
| | 43681 | AAAGACCCCA | ATAAACGTAT | ATCGCTACTA | CACCCTTGTT | TGTCAATGGA | CGCCTCTCCG |
| | 43741 | GGGGGGGGGG | AGGGAAAGCA | AAGAGGGGCT | GGGGGAGCGG | CACCACCGGG | GCCTGAACAA |
| | 43801 | ACAAACCACA | GACACGGTTA | CAGTTTATTC | GGTCGGGCGG | AGAAACGGCC | GAAGCCACGC |
| | 43861 | CCACTTTATT | CGCGTCTCCA | AAAAAACGGG | ACACTTGTCC | GGAGAACCTT | TAGGATGCCA |
| 30 | 43921 | GCCAGGGCGG | CGGTAATCAT | AACCACGCCC | AGCGCAGAGG | CGGCCAGAAA | CCCGGGCGCA |
| | 43981 | ATTGCGGCCA | CGGGCTGCGT | GTCAAAGGCT | AGCAAATGAA | TGACGGTTCC | GTTTGGAAAT |
| | 44041 | AGCAACAAGG | CCGTGGACGG | CACGTGCTCT | GAAAACACGC | TTGGGGCGCC | CTCCGTCCGC |
| | 44101 | CCGGCGGCGA | TTTGCTGCTG | TGTGTTGTCC | GTAATCCACA | GCAACACAGA | CATGACCTCC |
| | 44161 | CCGGCCGGGG | TGTAGCGCAT | AAACACGGCC | CCCACGAGCC | CCAGGTCTCG | CTGGTTTTTG |
| 35 | 44221 | GTGCGCACCA | GCCGCTTGGA | CTCGATATCC | CGGGTGAGGC | CTTCGCATGT | CGCGGTGAGG |
| | 44281 | TAGGTTAGGA | ACAGTGGGCG | TCCGACGTCT | ACGCCGGTGA | GCTTGTAGCC | GATCCCCCGG |
| | 44341 | GGCAGAGGGG | AGTGGGTGAC | GACGTAGCTG | GCGTTGTGGG | TGATGGGTAC | CAGGATCCGT |
| | 44401 | GGCTCGACGT | TGGCAGACTG | CCCCCGCAC | CGATGTGAGG | CCTCAGGGAC | GAAGGCGCGG |
| | 44461 | ATCAGGGCGT | TGTAGTGTGC | CCAACGCGTC | AGGGTTCGAG | CGAGGCCGTG | GGTCTGCTGG |
| 40 | 44521 | GCCAGGACTT | CGACCGGGGT | CTCGGATCGG | GTGGCTTGAG | CCAGCGCGTC | CAGGATAAAC |
| | 44581 | ACGCTCTCGT | CTAGATCAAA | GCGCAGGGAG | GCCGCGCATG | GCGAAAAGTG | GTCGGAGAGC |
| | 44641 | CAAAAGAGGG | TTTTCTGGTG | GTCGGCCCGG | CCAGCGCGCG | TCCGAGGCTC | GGCGTTGGTC |
| | 44701 | GCTGCGGCGA | CGTCGGACGT | ACACAGGGCC | GAGGCTATCA | GAAGGCTCCG | GCGGGCGCGT |
| | 44761 | TCCCCTGCA | CCGCCGAGGG | GACGCCAGCC | AAGAACGGCT | GCCGGAGGAC | AGCCGAGGCG |
| 45 | 44821 | TAAAATAGCG | CCCGGTGGAC | GACCGGGGTG | GTCAGCACGC | GGCCCCCTAG | AAACTCGGCA |
| | 44881 | TACAGGGCGT | CGATGAGATG | GGCTGCGCTG | GGCGCCACTG | CGTCGTACGC | CGAGGGGCTA |
| | 44941 | TCCAGCACGA | AGGCCAGCTG | ATAGCCCAGC | GCGTGTAATG | CCAAGCTCTG | TTTCGCTCTC |
| | 45001 | AGAATCTCGG | CCACCAGGTG | CTGGAGCCGA | GCCTCTAGCT | GCAGGCGGGC | CGTGGGATCC |
| | 45061 | AAGACTGACA | CATTAACAAA | CACAGAATCC | GCGGCACAGC | CCGCGGCCCC | GCGGGCGGCC |
| 50 | 45121 | AACCCGGCAA | GCGCGCGCGA | GTCGGGCCAA | AAGCCTAGCA | GGTCGGAGAG | GCAGACCGCG |
| | 45181 | CCGTTTGCCT | GGGCGGCGTT | CACGAAAGCA | AAACCCGACG | TCCGCGAGCAG | CCCCGTTAGG |
| | 45241 | CGCCAGAAGA | GAGGGGGGCG | CGGGCCCTGC | TGGGCGCCCG | CGTCCCCCGA | GAAAACTCC |
| | 45301 | GCGTATGCCC | GCGACAGGAA | CTGGGCGTAG | TTCGTGCCCT | CCTCCGGGTA | GCCGCCACAG |
| | 45361 | CGGCGGAGGG | CGTCCAGCGC | GGAGCCGTTG | TGGGCGCGCG | TCAGGGACCC | TAGGACAAAG |
| 55 | 45421 | ACCCGATACC | GGGGGCCGCC | CGGGGGCCCC | GGAAGAGCCC | CCGGGGGGTT | TTTCGTCGCG |
| | 45481 | GGGTCCCCGA | CCCGATCTAG | CGTCTGGCCC | GCGGGGACCA | CCATCAC'TTC | CACCGGAGGG |
| | 45541 | CTGTCTGTGA | TGGATATCAC | GAGCCCCATG | AATTCCCGCC | CGTAGCGCGC | GCGCACACAG |
| | 45601 | GCGGCATCGC | ACCCGAGCAC | CAGTCTCCCC | GTCGTCCAGA | TGCCCACGGG | CCACGTCCAG |
| | 45661 | GCCGACGGGG | AGAAATACAC | GTACCTACCT | GGGGATCTCA | ACAGGCCCCG | GGTGGCCAAC |

| | | | | | | | |
|----|-------|-------------|------------|-------------|-------------|-------------|------------|
| | 45721 | CAGGTCGTGG | ACGCGTTGTG | CAGGTGCGTG | ATGTCCAGCT | CCGTCGTCGG | GTGCCGCCGG |
| | 45781 | GCCCCAACCG | GCGGTCGGGG | GGGCGGTGTA | TCACGCGGCC | CGCTCGGGTG | GCTCGCCGTC |
| | 45841 | GCCACGTTGT | CTCCCCGCGG | GAACGTCAGG | GCCTCGGGGT | CAGGGACGGC | CGAAAACGTT |
| 5 | 45901 | ACCCAGGCC | GGGAACGCAG | CAACACGGAG | GCGGCTGGAT | TGTGCAAGAG | ACCCTTAAGG |
| | 45961 | GGGGCGACCG | AGGGGGGAGG | CTGGGCGGTC | GGCTCGACCG | TGGTGGGGGC | GGGACGGCTC |
| | 46021 | GCGTTCGGGG | GCCGGCCGAG | CAGGTAGGTC | TTGGGGATGT | AAAGCAGCTG | GCCGGGGTCC |
| | 46081 | CGCGGAAACT | CGGCCGTGGT | GACCAATACA | AAACAAAAGC | GCTCCTCGTA | CCAGCGAAGA |
| | 46141 | AGGGGCAGAG | ATGCCGTAGT | CAGGTTTAGT | TCGTCCGGCG | GCGCCAGAAA | TCCGCGCGGT |
| | 46201 | GGTTTTTGGG | GGTCGGGGGT | GTTTGGCAGC | CACAGACGCC | CGGTGTTCTG | GTCGCGCCAG |
| 10 | 46261 | TACATGCGGT | CCATGCCCAG | GCCATCCAAA | AACCATGGGT | CTGTCTGCTC | AGTCCAGTCG |
| | 46321 | TGGACCTGAC | CCCACGCAAC | GCCCCAAAATA | ATAACCCCCA | CGAACCATAA | ACCATTCCCC |
| | 46381 | ATGGGGGACC | CCGTCCCTAA | CCCACGGGGC | CCGTGGCTAT | GGCAGGGCTT | GCCGCCCCGA |
| | 46441 | CGTTGGCTGC | GAGCCCTGGG | CCTTCACCCG | AACTTGGGGG | TTGGGGTGGG | GAAAAGGAAG |
| | 46501 | AAACGCGGGC | GTATTGGTCC | CAATGGGGTC | TCGGTGGGGT | ATCGACAGAG | TGCCAGCCCT |
| 15 | 46561 | GGGACCGAAC | CCCGCGTTTA | TGAACAAACG | ACCCAACACC | CGTGCGTTTT | ATTCTGTCTT |
| | 46621 | TTTATTGCCG | TCATAGCGCG | GGTTCCCTTC | GGTATTGTCT | CCTTCCGTGT | TTCAGTTAGC |
| | 46681 | CTCCCCCATC | TCCCGGGCAA | ACGTGCGCGC | CAGGTCGCAG | ATCGTCGGTA | TGGAGCCTGG |
| | 46741 | GGTGGTGACG | TGGGTCTGGA | CCATCCCGGA | GGTAAGTTGC | AGCAGGGCGT | CCCGGCAGCC |
| | 46801 | GGCGGGCGAT | TGGTCGTAAT | CCAGGATAAA | GACATGCATG | GGACGGAGGC | GTTTGGCCAA |
| 20 | 46861 | GACGTCCAAA | GCCCAGGCAA | ACACGTTATA | CAGGTCGCCG | TTGGGGGCCA | GCAACTCGGG |
| | 46921 | GGCCCGAAAC | AGGGTAAATA | ACGTGTCCCC | GATATGGGGT | CGTGGGCCCC | CGTTGCTCTG |
| | 46981 | GGGCTCGGCA | CCCTGGGGCG | GCACGGCCGC | CCCCGAAAGC | TGTCCCCAAT | CCTCCCGCCA |
| | 47041 | CGACCCGCCG | CCCTGCAGAT | ACCGCACCGT | ATTGGCAAGC | AGCCCATAAA | CGCGGCGAAT |
| | 47101 | CGCGGCCAGC | ATAGCCAGGT | CAGCCGCTC | GCCGGGGCGC | TGGCGTTTGG | CAGGCGGTC |
| 25 | 47161 | GATGTGTCTG | TCCTCCGGAA | GGGCCCCCAA | CACGATGTTT | GTGCCGGGCA | AGGTCGGCGG |
| | 47221 | GATGAGGGCC | ACGAACGCCA | GCACGGCCTG | GGGGGTCATG | CTGCCCATAA | GGTATCGCGC |
| | 47281 | GGCCGGGTAG | CACAGGAGGG | CGGCGATGGG | ATGGCGGTCTG | AAGATGAGGG | TGAGGGCCGG |
| | 47341 | GGGCGGGGCA | TGTGAGCTCC | CAGCCTCCCC | CCCGATATGA | GGAGCCAGAA | CGGCGTCGGT |
| | 47401 | CACGGCATAA | GGCATGCCCC | TTGTTATCTG | GGCGCTTGTC | ATTACCACCG | CCGCGTCCCC |
| 30 | 47461 | GGCCGATATC | TCACCCTGGT | CGAGGCGGTG | TTGTGTGGTG | TAGATGTTCTG | CGATTGTCTC |
| | 47521 | GGAAGCCCCC | AACACCCGCC | AGTAAGTCAT | CGGCTCGGGT | ACGTAGACGA | TATCGTCGCG |
| | 47581 | CGAACCCAGG | GCCACCAGCA | GTTGCGTGGT | GGTGGTTTTT | CCCATCCCGT | GGGACCCGTC |
| | 47641 | TATATAAACC | CGCAGTAGCG | TGGGCATTTT | CTGCTCCAGG | CGGACTTCCG | TGGCTTTTTG |
| | 47701 | TTGCCGGCGA | GGGCGCAACG | GCGTACGTCG | GTTGTTATGG | CCGCGAGAAC | GCGCAGCCTG |
| 35 | 47761 | GTCGAACGCA | GACGCGTGTT | GATGGCAGGG | GTACGAAGCC | ATACGCGCTT | CTACAAGGCG |
| | 47821 | CTGGCCGAAG | AGGTGCGGGA | GTTTCACGCC | ACCAAGATCT | GCGGCACGCT | GTTGACGCTG |
| | 47881 | TTAAGCGGGT | CGCTGCAGGG | TCGCTCGGTA | TTGAGGCCA | CACGCGTCAC | CTTAATATGC |
| | 47941 | GAAGTGGACC | TGGGACCGCG | CCGCCCCGAC | TGCATCTGCG | TGTTTCAAT | CGCCAATGAC |
| | 48001 | AAGACGCTGG | GCGGGGTTTG | TGTCATCATA | GAATAAAGA | CATGCAAATA | TATTTCTTCC |
| 40 | 48061 | GGGGACACCG | CCAGCAAACG | CGAGCAAACG | GCCACGGGGA | TGAAGCAGCT | GCGCCACTCC |
| | 48121 | CTGAAGCTCC | TGCAGTCCCT | CGCGCCTCCG | GGTGACAAGA | TAGTGTACCT | TGCCCCGTC |
| | 48181 | CTGGTGTGTT | TCGCCCCAAG | GACGCTCCGC | CTGAGCCGCG | TGACCCGGCT | CGTCCCGCAG |
| | 48241 | AAGGTCTCCG | GTAATATCAC | CGCAGTCGTG | CGGATGCTCC | AGAGCCTGTC | CACGTATACG |
| | 48301 | GTCCCCATTG | AGCCTAGGAC | CCAGCGAGCC | CGTCGCCGCC | GCGGCGGCGC | CGCCCCGGGG |
| 45 | 48361 | TCTGCGAGCA | GACCGAAAAG | GTCACACTCT | GGGGCGCGCG | ACCCGCCCGA | GTCAGCGGCC |
| | 48421 | CGCCAGTTAC | CACCCGCCGA | CCAAACCCCC | ACCTCCACGG | AGGGCGGGGG | GGTGCTTAAG |
| | 48481 | AGGATCGCGG | CGCTCTTCTG | CGTGCCCGTG | GCCACCAAGA | CCAAACCCCG | AGCCGCTTCC |
| | 48541 | GAATGAGAGT | GTTTCGTTCC | TTCCCCCTCC | CCCCGCGTCA | GACAAACCCT | AACCACCGCT |
| | 48601 | TAAGCGGCCC | CCGCGAGGTC | CGAAGACTCA | TTTGATCCG | GCGGGAGCCA | CCCCACAACA |
| 50 | 48661 | GCCCCCGGGT | TTTCCCACGC | CAGACGCCGG | TCCGCTGTGC | CATCGCGCCC | CCTCATCCCA |
| | 48721 | CCCCCATCT | TGTCGCCAAA | TAAACAAGG | TCTGGTAGTT | AGGACAACGA | CCGCAAGTCT |
| | 48781 | CGTGCTGTTAT | TTTCGCTCTC | CGCCTCTCGC | AGATGGACCC | GTAAGTCCCA | TTTGACGCTC |
| | 48841 | TGGACGTCTG | GGAACACAGG | CGCTTCATAG | TCGCCGATTC | CCGAAACTTC | ATCACCCCGG |
| | 48901 | AGTTCCCCCG | GGACTTTTGG | ATGTCGCCCC | TCTTTAACCT | CCCCCGGGAG | ACGGCGGCGG |
| 55 | 48961 | AGCAGGTGGT | CGTCCTACAG | GCCCAGCGCA | CAGCGGCTGC | CGCTGCCCTG | GAGAACGCGG |
| | 49021 | CCATGCAGGC | GGCCGAGCTC | CCCGTCGATA | TCGAGCGCCG | GTTACGCCCC | ATCGAACGGA |
| | 49081 | ACGTGCACGA | GATCGCAGGC | GCCCTGGAGG | CGCTGGAGAC | GGCGGCGGGC | GCCGCCGAAG |
| | 49141 | AGGCGGATGC | CGCGCGCGGG | GATGAGCCGG | CGGGTGGGGG | CGACGGGGGG | GCGCCCCCGG |
| | 49201 | GTCTGGCCGT | CGCGGAGATG | GAGGTCCAGA | TCGTGCGCAA | CGACCCGGCG | CTACGATACG |

| | | | | | | | |
|----|-------|-------------|-------------|------------|------------|-------------|-------------|
| | 49261 | ACACCAACCT | CCCCGTGGAT | CTGCTACACA | TGGTGTACGC | GGGCCGCGGG | GCGACCGGCT |
| | 49321 | CGTCGGGGGT | GGTGTTCGGG | ACCTGGTACC | GCACTATCCA | GGACCGCACC | ATCACGGACT |
| | 49381 | TTCCTCTGAC | CACCCGCAGT | GCCGACTTTC | GGGACGGCCG | TATGTCCAAG | ACCTTCATGA |
| 5 | 49441 | CGGCGCTGGT | ACTGTCCCTG | CAGGCGTGCG | GCCGGCTGTA | TGTGGGCCAG | CGCCACTATT |
| | 49501 | CCGCC'TTCGA | GTGCGCCGTG | TTGTGTCTCT | ACCTGCTGTA | CCGAAACACG | CACGGGGCCG |
| | 49561 | CCGACGATAG | CGACCGCGCT | CCGGTCACGT | TCGGGGATCT | GCTGGGCCGG | CTGCCCGCT |
| | 49621 | ACCTGGCGTG | CCTGGCCGCG | GTGATCGGGA | CCGAGGGCGG | CCGGCCACAG | TACCGCTACC |
| | 49681 | GCGACGACAA | GCTCCCCAAG | ACGCAGTTCG | CGGCCGGCGG | GGGCCGCTAC | GAACACGGAG |
| 10 | 49741 | CGCTGGCGTC | GCACATCGTG | ATCGCCACGC | TGATGCACCA | CGGGGTGCTC | CCGGCGGCCC |
| | 49801 | CGGGGGACGT | CCCCCGGGAC | GCGAGTACCC | ACGTTAACCC | CGACGGCGTG | GCGCACCACG |
| | 49861 | ACGACATAAA | CCGCGCCGCC | GCCGCGTTTC | TCAGCCGGGG | CCACAACCTA | TTCCTGTGGG |
| | 49921 | AGGACCAGAC | TCTGCTGCGG | GCAACCGCGA | ACACCATAAC | GGCCTTGGGC | GTTATCCAGC |
| | 49981 | GGCTCCTCGC | GAACGGCAAC | GTGTACGCGG | ACCGCCTCAA | CAACCGCCTG | CAGCTGGGCA |
| 15 | 50041 | TGCTGATCCC | CGGAGCCGTC | CCTTCGGAGG | CCATCGCCCC | TGGGGCCTCC | GGGTCCGACT |
| | 50101 | CGGGGGCCAT | CAAGAGCGGA | GACAACAATC | TGGAGGCGCT | ATGTGCCAAT | TACGTGCTTC |
| | 50161 | CGCTGTACCG | GGCCGACCCG | GCGGTCGAGC | TGACCCAGCT | GTTTCCCGGC | CTGGCCGCCC |
| | 50221 | TGTGTCTTGA | CGCCCAGGCG | GGGCGGCCGG | TCGGGTGCGC | GCGGCGGGTG | GTGGATATGT |
| | 50281 | CATCGGGGGC | CCGCCAGGCG | GCGCTGGTGC | GCCTCACCGC | CCTGGAACCTC | ATCAACCGCA |
| 20 | 50341 | CCCGCACAAA | CCCCACCCCT | GTGGGGGAGG | TTATCCACGC | CCACGACGCC | CTGGCGATCC |
| | 50401 | AATACGAACA | GGGGCTTGGC | CTGCTGGCGC | AGCAGGCACG | CATTGGCTTG | GGCTCCAACA |
| | 50461 | CCAAGCGTTT | CTCCGCGTTC | AACGTTAGCA | GCGACTACGA | CATGTTGTAC | TTTTTATGTC |
| | 50521 | TGGGGTTTCAT | TCCACAGTAC | CTGTGCGCGG | TTTAGTGGGT | GGTGGGCGAG | GGGGGAGGGG |
| | 50581 | GCATTAGGGA | GAAAAAACAA | GAGCCTCCGT | TGGGTTTCT | TTGTGCCTGT | ACTCAAAGG |
| | 50641 | TCATACCCCG | TAAACGCGCG | GCTCCAGTCC | CGGCCCGCG | GTTGGCGTGA | ACGCAACGGC |
| 25 | 50701 | GGAGACTGGG | TTAGCGTTTA | GTTTAGCAAT | CGCTCTCGCC | TTTCCGCCCC | CCCCCGACC |
| | 50761 | GTTGCGCCTT | TTTTTTTTTTC | GTCCACCAAA | GTCTCTGTGG | GTGCGCGCAT | GGCAGCCGAT |
| | 50821 | GCCCCGGGAG | ACCGGATGGA | GGAGCCCCTG | CCCGACAGGG | CCGTGCCCAT | TTACGTGGCT |
| | 50881 | GGGTTTTTTGG | CCCTGTATGA | CAGCGGGGAC | TCGGGCGAGT | TGGCATTGGA | TCCGGATACG |
| 30 | 50941 | GTGCGGGCGG | CCCTGCCTCC | GGATAACCCA | CTCCCGATTA | ACGTGGACCA | CCGCGCTGGC |
| | 51001 | TGCGAGGTGG | GGCGGGTGCT | GGCCGTGGTC | GACGACCCCC | GCGGGCCGTT | TTTTGTGGGG |
| | 51061 | CTGATCGCCT | GCGTGCAGCT | GGAGCGCGTC | CTCGAGACGG | CCGCCAGCGC | TGCGATTTTC |
| | 51121 | GAGCGCCGCG | GGCCGCCGCT | CTCCCGGGAG | GAGCGCCTGT | TGTACCTGAT | CACCAACTAC |
| | 51181 | CTGCCCTCGG | TCTCCCTGGC | CACAAAACAG | CTGGGGGGCG | AGGCGCACCC | GATCGCACCG |
| 35 | 51241 | CTGTTTCGCG | ACGTGCGGCT | GTGCGCGATC | GGGCGGCGCC | TCGGCACTAT | CGTCACCTAC |
| | 51301 | GACACCGGTC | TCGACGCCGC | CATCGCGCCC | TTTCGCCACC | TGTCGCGGCG | GTCTCGCGAG |
| | 51361 | GGGGCGCGGC | GACTGGCCGC | CGAGGCCGAG | CTCGCGCTGT | CCGGGCGCAC | CTGGGCGCCC |
| | 51421 | GGCGTGAGAG | CGCTGACCCA | CACGCTGCTT | TCCACCGCCG | TTAACAACAT | GATGCTGCGG |
| | 51481 | GACCGCTGGA | GCCTGGTGCG | CGAGCGGCGG | CGGCAGGCGG | GGATCGCCGG | ACACACCTAC |
| 40 | 51541 | CTCCAGGCGA | GCGAAAAATT | CAAAATGTGG | GGGGCGGAGC | CTGTTTCCGC | GCCGGCGCGC |
| | 51601 | GGGTATAAGA | ACGGGGCCCC | GGAGTCCACG | GACATACCGC | CCGGCTCGAT | CGCTGCCGCG |
| | 51661 | CCGCAGGGTG | ACCGGTGCCC | AATCGTCCGT | CAGCGCGGGG | TCGCCTTGTC | CCCGGTACTG |
| | 51721 | CCCCCATGA | ACCCCGTTCC | GACATCGGGC | ACCCCGGCCC | CCGCGCCGCC | CCGCGACGGG |
| 45 | 51781 | AGCTACCTGT | GGATCCCGGC | CTCCCATTAC | AACCAGCTCG | TCGCCGGCCA | TGCCGCGCCC |
| | 51841 | CAACCCAGC | CGCATTCGCG | GTTTGGTTTC | CCGGCTGCGG | CGGGGTCCGT | GGCCTATGGG |
| | 51901 | CCTCACGGTG | CGGGTCTTTC | CCAGCATTAC | CCTCCCCACG | TCGCCCATCA | GTATCCCGGG |
| | 51961 | GTGCTGTTCT | CGGGACCCAG | CCCACTCGAG | GCGCAGATAG | CCGCGTTGGT | GGGGGCCATA |
| | 52021 | GCCGCGGACC | GCCAGGCGGG | CGGTACGCCG | GCCGCGGGAG | ACCCTGGGGT | CCGGGGGGTCG |
| | 52081 | GGAAAGCGTC | GCCGGTACGA | GGCGGGGCCG | TCGGAGTCCT | ACTGCGACCA | GGACGAACCG |
| 50 | 52141 | GACGCGGACT | ACCCGTACTA | CCCCGGGGAG | GCTCGAGGCG | CGCCGCGCGG | GGTCGACTCC |
| | 52201 | CGGCGCGCGG | CCCGCCATTG | TCCCGGGACC | AACGAGACCA | TCACGGCGCT | GATGGGGGCG |
| | 52261 | GTGACGTCTC | TGCAGCAGGA | ACTGGCGCAC | ATGCGGGCTC | GGACGACGCG | CCCCATGSGA |
| | 52321 | ATGTACACGC | CGGTGGCGCA | CTATCGCCCT | CAGGTGGGGG | AGCCGGAACC | AACAACGACC |
| | 52381 | CACCCGGCCC | TTTGTCCCCC | GGAGGCCGTG | TATCGCCCCC | CACCACACAG | CGCCCCCTAC |
| | 52441 | GGTCCTCCCC | AGGGTCCGGC | GTCCCATGCC | CCCACTCCCC | CGTATGCCCC | AGCTGCCTGC |
| 55 | 52501 | CCGCCAGGCC | CGCCACCGCC | CCCATGTCTT | TCCACCCAGA | CGCGCGCCCC | TCTACCGACG |
| | 52561 | GAGCCCGCGT | TCCCCCCCCG | CGCCACCGGA | TCCCAACCGG | AGGCATCCAA | CGCGGAGGCC |
| | 52621 | GGGGCCCTTG | TCAACGCCAG | CAGCGCAGCA | CACGTGGACG | TTGACACGGC | CCGCGCCGCC |
| | 52681 | GATTTGTTCG | TCTCTCAGAT | GATGGGGGCC | CGCTGATTTC | CCCCGGTCTT | TGGTACCATG |
| | 52741 | GGATGTCTTA | CTGTATATCT | TTTTAAATAA | ACCAGGTAAT | ACCAAATAAG | ACCCATTGGT |

| | | | | | | | |
|----|-------|------------|------------|------------|-------------|------------|-------------|
| | 52801 | GTATGTTCTT | TTTTTATTGG | GAGGCGCGGG | TAGGCGGGTA | GCTTTACAAT | GCAAAAGCCT |
| | 52861 | TCGACGTGGA | GGAAGGCGTG | GGGGGGGGGG | GAATCGGCAC | TGACCAAGGG | GGTCCGTTTT |
| | 52921 | GTCACGGGAA | AGGAAAGAGG | AAACAGGCCG | CGGACACCCG | GGGGAGTTTG | TGTTCCCTTT |
| 5 | 52981 | TCTTTCTTCC | CACACACACA | AAAGGCGTAC | CAAAACAAACA | AACCAAAAGA | TGCACATGCG |
| | 53041 | GTTTAACACC | CGTGGTTTTT | ATTTACAACA | AACCCCCCAT | CACAGGTCGT | CCTCGTCGGC |
| | 53101 | GTCACCGTCT | TTGTTGGGAA | CTTGGGTGTA | GTGTTGTTG | CGGCGCTTGC | GCATGACCAT |
| | 53161 | GTCGGTGACC | TTGGCGCTGA | GCAGCGCGCT | CGTGCCCTTC | TTCTTGGCCT | TGTGTTCCGT |
| | 53221 | GCGCTCCATG | GCAGACACCA | GGGCCATGTA | CCGTATCATC | TCCCGGGCCT | CGGCTAGCTT |
| 10 | 53281 | GGCCTCGTCA | AAGTCGCCGC | CCTCCTCGCC | CTCCCCGGAC | GCGTCCGGGT | TGGTGGGGTT |
| | 53341 | CTTGAGCTCC | TTGGTGGTTA | GCGGGTACAG | GGCCTTCATG | GGGTTGCTCT | GCAGCCGCAT |
| | 53401 | GACGTAGCGA | AAGGCGAAGA | AGGCCGCCGC | CAGGCCGGCC | AGGACCAACA | GACCCACGGC |
| | 53461 | CAGCGCCCCA | AAGGGGTTGG | ACATGAAGGA | GGACACGCCC | GACACGGCCG | ATACCACGCC |
| | 53521 | GCCCACGATG | CCCATCACCA | CCTTGCCGAC | CGCGCGCCCC | AGGTCGCCCA | TCCCTCTGAA |
| 15 | 53581 | GAACGCGCCC | AGGCCCGCAA | ACATGGCGGC | GTGCGCTCG | GCGTGGATGA | CCGTGTCGAT |
| | 53641 | GTCGGCGAAG | CGCAGGTCGT | GCAGCTGGTT | GCGGCGCTGG | ACCTCCGTGT | AGTCCAGCAG |
| | 53701 | GCCGCTGTCC | TTGATCTCGT | GGCGGGTGTA | CACCTCCAGG | GGGACAAACT | CGTGATCCCTC |
| | 53761 | CAGCATGGTG | ATGTTGAGGT | CGATGAAGGT | GCTGACGGTG | GTGATGTCGG | CGCGGCTCAG |
| | 53821 | CTGGTGGGAG | TACGCGTACT | CCTCGAAGTA | CACGTAGCCC | CCACCGAAGG | TGAAGTAGCG |
| | 53881 | CCGGTGTCCC | ACGGTGCACG | GCTCGATCGC | ATCGCGCGTC | AGCCGCAGCT | CGTTGTTCTC |
| 20 | 53941 | CCCCAGCTGC | CCCTCGACCA | ACGGGCCCTG | GTCTTCGTAC | CGAAAGCTGA | CCAGGGGGCG |
| | 54001 | GCTGTAGCAG | GCCCCGGGCC | GCGAGCTGAT | GCGCATCGAG | TTTTGGACGA | TCACGTTGTC |
| | 54061 | CGCGGCGACC | GGCACGCACG | TGGAGACGGC | CATCACGTCC | CCGAGCATCC | GCGCGCTCAC |
| | 54121 | CCGCCGGCCC | ACGGTGGCCG | AGGCGATGGC | GTGCGGGTTC | AGCTTGCGGG | CCTCGTTCCA |
| | 54181 | CAGGTCAGC | TCGTGATTCT | GCAGCTCGCA | CCACGCGATG | GCAACGCGCG | CCAACATATC |
| 25 | 54241 | GTTGACATGG | CGCTGTATGT | GGTTGTACGT | AAACTGCAGC | CTGGCGAACT | CGATGGAGGA |
| | 54301 | GGTGGTCTTG | ATGCGCTCCA | CGGACGCGTT | GGCGCTGGCC | CCGGGCGGCG | GGGGCGTGCG |
| | 54361 | GTTTGGGGGC | TTGCGGCTCT | GCTCGCGGAG | GTGTTCCCGC | ACGTACAGCT | CCGCGAGCGT |
| | 54421 | GTTGCTGAGA | AGGGGCTGGT | ACGCGATCAG | AAAGCCCCCA | TTGGCCAGGT | AGTACTGCGG |
| | 54481 | CTGGCCACC | TTGATGTGCG | TCGCGTTGTA | CCTGCGGGCG | AAGATGCGGT | CCATGGCGTC |
| 30 | 54541 | GCGGGCGTCC | TTGCCGATGC | AGTCCCCCAG | GTCCACGCGC | GAGAGCGGGT | ACTCGGTCAG |
| | 54601 | GTTGGTGGTG | AAGGTGGTGG | ATATGGCGTC | GGAAGAGAAT | CGGAAGGAGC | CGCCGTACTC |
| | 54661 | GGAGCGCAGC | ATCTCGTCCA | CCTCCTGCCA | CTTGGTTCATG | GTGCAGACCC | ACGGGCGCTT |
| | 54721 | TGGACCCAG | TCCCAGGCCA | CGGTGAACCT | GGGGGTCTGT | AGCAGGTTCC | AGCTGGTTCG |
| | 54781 | CGCCGTGGCC | CGGGCCTTGG | TGGTGAAGTC | GCGCGCGTAG | AAGCCGTCGA | CCTGCTTGAA |
| 35 | 54841 | GCGGTCGGCG | GCGTAGCTGG | TGTGTTCCGT | GTGCGACCCC | TCCCGGTAGC | CGTAAAACGG |
| | 54901 | GGACATGTAC | ACAAAGTCGC | CAGTCGCCAA | CACAAACTCG | TCGTACGGGT | ACACCGAGCG |
| | 54961 | CGCGTCCACC | TCCTCGACGA | TGCAGTTTAC | CGTCGTCCCG | TACCGGTGGA | ACGCCTCCAC |
| | 55021 | CCGCGAGGGG | TTGTACTTGA | GGTCGGTGGT | GTGCCAGCCC | CGGCTCGTGC | GGGTCGCGGC |
| | 55081 | GTTGGCCGGT | TTCAGCTCCA | TGTCGGTCTC | GTGGTCTGTC | CGGTGAAACG | CGGTGGTCTC |
| 40 | 55141 | CAGGTTGTTG | CGCACGTACT | TGGCCGTGGA | CCGACAGACC | CCCTTGGCGT | TGATCTTGTC |
| | 55201 | GATCACCTCC | TCGAAGGGGA | CGGGGGCGCG | GTCTCAAAG | ATCCCCATAA | ACTGGGAGTA |
| | 55261 | GCGGTGGCCG | AACCACACCT | GCGAAACGGT | GACGTCTTTG | TAGTACATGG | TGGAGGTTGAA |
| | 55321 | CTTGATCGGG | GCGATGTTCT | CCTTGAAGAC | CACCGCGATG | CCCTCCGTGT | AGTTCGTACC |
| | 55381 | CTCGGGCCGG | GTCGGGCAGC | GGCGCGGCTG | CTCGAACTGC | ACCACCGTGG | CGCCCGTGGG |
| 45 | 55441 | GGGTGGGCAC | ACGTAAAAGT | TTGCATCGGT | GTTCTCCGCC | TTGATGTCCC | GCAGGTGCTC |
| | 55501 | GCGCAGGGTG | GCGTGGCCCG | CGGCGACGGT | CGCGTTGTCT | CCGGCGGGGC | GCGGCGGCTT |
| | 55561 | TGGGGGTTTC | GGTTTTCTGT | TCTTCTTCGG | TTTCGGGTCC | CCCGTTGGGG | GGGCGCCAGG |
| | 55621 | GGCGGGCGGC | GCCGGAGTGG | CAGGGCCCCC | GTTCGCCGCC | TGGGTGCGCG | CCGCGACCCC |
| | 55681 | AGGCGTGCCG | GGGGAACTCG | GAGCCGCCGA | CGCCACCAGG | ACCCCCAGCG | TCAACCCCAA |
| 50 | 55741 | GAGCGCCCAT | ACGACGAACC | ACCGCGCCCC | CCGCGCGGGG | GCGCCCTGGC | GCATGGCGGG |
| | 55801 | ACTACGGGGG | CCCGTCGTGC | CCCCCGTCAG | GTAGCCTGGG | GGCGAGGTGC | TGGAGGACCG |
| | 55861 | AGTAGAGGAT | CGAGAAAACG | TCTCGGTCTG | AGACCACGAC | CGACCGGGGG | CCGATACAGC |
| | 55921 | CGTCGGGGGC | GCTCTCGACG | ATGGCCACCA | GCGGACAGTC | GGAGTCGTAC | GTGAGATATA |
| | 55981 | CGCCGGGCGG | GTAACGGTAA | CGACCTTCGG | AGGTCGGGCG | GCTGCAGTCC | GGGCGGCGCA |
| 55 | 56041 | ACTCGAGCTC | CCCGCACCGG | TAGACCGAGG | CAAAGAGTGT | GGTGGCGATA | ATCAGCTCGC |
| | 56101 | GAATATATCG | CCAGGCGGCG | CGCTGAGTGG | GCGTTATTCC | GGAAATGCCG | TCAAAACAGT |
| | 56161 | AAAACCTCTG | AAATTGCTGT | ACGGCCCCAT | CAGCACCCGA | GCCCCCGGCC | CCCATGATGA |
| | 56221 | ACCGGGCGAG | CTCCTCCTTC | AGGTGCGGCA | GGAGCCCCAC | GTTCTCGACG | CTGTAATACA |
| | 56281 | GCGCGGTGTT | GGGGGGCTGG | GCGAAGCTGT | GGGTGGAGTG | ATCAAAGAGG | GGCCCCGTTGA |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|-------------|------------|
| | 56341 | CGAGCTCGAA | GAAGCGATGG | GTGATGCTGG | GGAGCAGGGC | CGGGTCCACC | TGGTGTGCGA |
| | 56401 | GGAGAGACGC | TCGCATGAAC | CGGTGCGCGT | CGAACACGCC | CGGCGCCGAG | CGGTTGTGCA |
| | 56461 | TGACCGTGCC | CGCGCCCGCC | GTCAGGGCGC | AGAAGCGCGC | GCGCGCCGCA | AAGCCGTTGG |
| 5 | 56521 | CGACCGCGGC | GAACGTCGCG | GGCAGCACCT | CGCCGTGGAC | GCTGACCCGC | AGCATCTTCT |
| | 56581 | CGAGTCCCCC | GCGCTGCTCG | CGGACGCAGC | GCCCCAGGCT | GGCCAACGAC | CGCTTCGTCA |
| | 56641 | GGCGGTCCGC | GTACAGCCGC | CGTCGCTCCC | GCACGTCCGC | GGCCGCTTGC | GTGGCGATGT |
| | 56701 | CCCCCACGT | CTCGGGCCCC | TGCCCCCGG | GCCCCGCGCG | ACGGTCTTCG | TCCTCGCCCC |
| | 56761 | CGCCCCCGGG | AGCTCCCAAC | CCCCGTGCCC | CTTCCTCTAC | GGCGACACGG | TCCCCGTCGT |
| 10 | 56821 | CGTCGGGGCC | CGCGCCGCCC | TTGGGCGCGT | CCGCGCGGCC | CCCCGCCCCC | ATGCGCGCCA |
| | 56881 | GCACGCGACG | CAGCGCCTCC | TCGTGCGACT | GTTCGGGGCT | GACGAGGCGC | CGCAAGAGCG |
| | 56941 | GCGTCGTGAG | GTGGTGGTTC | TAGCACGCGC | GGATGAGCGC | CTCGATCTGA | TCGTGCGGGT |
| | 57001 | ACGTGGCCTG | ACCGCCGATT | ATTAGGGCGT | CCACCATATC | CAGCGCCGCC | AGGTGGCTCC |
| | 57061 | CGAACGCGCG | ATCGAAATGC | TCCGCCCCGC | GCCCCAACAG | CGCCAGTTCC | ACGGCCACCG |
| 15 | 57121 | CGGCGGTCTC | CTGCTGCAAC | TCGCGCCGCG | CCAGCGCGGT | CAGGTTGCTG | GCAAACGCGT |
| | 57181 | CCATGGTGGT | CTGGCCGCGC | CGGTGCGCCG | ACGCGAGCCA | GAATCGCAAT | TCGCTGATGG |
| | 57241 | CGTACAGGCC | GGGCGTGGTG | GCCTGAAACA | CGTCGTGCGC | CTCCAGCAGG | GCGTCGGCCT |
| | 57301 | CCTTGCGGAC | CGAGTCGTTC | TCGGGCGACG | GGTGGGGCTG | CCCGTCGCCC | CCCGCGGTCC |
| | 57361 | GGGCCAGCGC | ATGGTCCAAC | ACGGAGAGCG | CCCGCGCGCG | GTCGGCGTCC | GACAGCCCGG |
| | 57421 | CGGCGTGGGG | CAGGTACCGC | CGCAGCTCGT | TGGCGTCCAG | CCGCACCTGC | GCCTGCTGGG |
| 20 | 57481 | TGACGTGGTT | ACAGATACGG | TCCGCCAGGC | GGCGGGCGAT | CGTCGCCCCC | TGGTTCGCCG |
| | 57541 | TCACACACAG | TTCTTCGAAA | CAGACCGCGC | AGGGGTGGGA | CGGGTCGCTA | AGCTCCGGGG |
| | 57601 | GGACGATAAG | GCCCCACCCC | ACCGCCCCCA | CCATAAACTC | CCGAACGCGC | TCCAGCGCGG |
| | 57661 | CGGTGGCGCC | GCGCGAGGGG | GTGATGAGGT | GGCAGTAGTT | TAGCTGCTTT | AGAAAGTTCT |
| | 57721 | CGACGTCGTG | CAGGAAACAC | AGCTCCATAT | GGACGCTCCC | GCCATACGTA | TCCAGCCTGA |
| 25 | 57781 | CCCGTTGGTG | ATACGGACAG | GGTCGGGCCA | GGCCCATGGT | CTCCGTGAAA | AACGCCGCGA |
| | 57841 | CGTCTCCCGC | GGTCGCGAAC | GTCTCCAGGC | TGCCCAGGAG | CCGCTCGCCC | TCGCGCCACG |
| | 57901 | CGTACTCTAG | CAGCAACTCC | AGGGTGACCG | ACAGCGGGGT | GAGAAAGGCC | CCGGCCTGGG |
| | 57961 | CCTCCAGGCC | CGGCCTCAGA | CGACGCCGCA | GCGCCCGCAC | CTGAAGCGCG | TTCAGCTTCA |
| 30 | 58021 | GTTGGGGGAG | CTTCCCCCGT | CCGATGTGGG | GGTCGCACCG | CCGGAGCAGC | TCTATCTGAA |
| | 58081 | ACACATAGGT | CTGCACCTGC | CCGAGCAGGG | CTAACAACCT | TTGACGGGCC | ACGGTGGGCT |
| | 58141 | CGGACACCGG | GGCGGCCATC | TCGCGGCGCC | GATCTGTACC | GCGGCCGGAG | TATGCGGTGG |
| | 58201 | ACCGAGGCGG | TCCGTACGCT | ACCCGGCGCT | TGGCTGAGCC | CCGGGGTCCC | CCTCTTCGGG |
| | 58261 | CGGGGTCCTC | GCGGGCCCGC | CGACCGGCAA | GCCGGGAGTC | GGCGGCGCGT | GCGTTTCTGC |
| 35 | 58321 | TCTATTCCCA | GACACCGCGG | AGAGGAATCA | CGGCCCGCCC | AGAGATATAG | ACACGGAACA |
| | 58381 | CAAACAAGCA | CGGATGTGCT | AGCAATAATT | TATTTTACAC | ACATTCCCCG | CCCCGCCCTA |
| | 58441 | GGTTCCCCCA | CCCCCAACC | CCTCACAGCA | TATCCAACGT | CAGGTCTCCC | TTTTTGTGCG |
| | 58501 | GGGGCCCCCT | CCCAAACGGG | TCATCCCCGT | GGAACGCCCC | TTTGCGGCCG | GCAAATGCCG |
| | 58561 | GTCCCGGGGC | CCCCGGGCCG | CCGAACGGCG | TCGCGTTGTC | GTCTTCGCAG | CCAAAATCCC |
| | 58621 | CAAAGTTAAA | CACCTCCCCG | GCGTTGCCGA | GTTGGCTGAC | TAGGGCCTCG | GCCTCGTGCG |
| 40 | 58681 | CCACCTCCAG | GGCCGCGTCC | GTCGACCACT | CGCCGTTGCC | GCGCTCCAGG | GCACGCGCGG |
| | 58741 | TCAGCTCCAT | CATCTCCTCG | CTTAGGTACT | CGCTCTCCAG | GAGCGCCAGC | GAGTCTCTGA |
| | 58801 | TCTGCAGCTG | CTGGGTGCGG | GGCCCCAGGC | TTTTCACGGT | CGCCACGAGC | ACGCTACTGG |
| | 58861 | CGACGGCCGC | CCCGCCCTCG | GAGATAATGC | CCCGGAGCTG | CTCGCACAGC | GAGCTTTCGT |
| 45 | 58921 | GCGCTCCGCC | GCCGAGGCTT | GAGGCCGCGC | ACACAAACCC | GGCCCGGGGA | CAGGCCAGGA |
| | 58981 | CGAACTTGCG | GGTGCGGTCA | AAAATAAGGA | GCGGGCACGC | GTTTTTGCCG | CCCATCAGGC |
| | 59041 | TGGCCAGATT | CCCGGCCTGA | AACACACGGT | CGTTGCCCGC | CATGCCGTAG | TACTTGCTGA |
| | 59101 | TGCTCAACCC | CAACACGACC | ATGGGGCGCG | CCGCCATGAC | GGGCCGACGC | AGGTTGCAGC |
| | 59161 | TGGCGAACAT | GGACGTCCAC | GCGCCCGGAT | GCGCGTCCAC | GGCGTCCATC | AGCGCGCGGG |
| 50 | 59221 | CCCCGGCCTC | CAGGCCCGCC | CCGCCCTGCG | CGGACCACGC | GGCCGACGCC | TGCACGCTGG |
| | 59281 | GGGGACGGCG | GGACCCCGCG | ATGATGGCCG | TAAGGGTGTT | GATGAAGTAT | GTCGAGTGAT |
| | 59341 | CGCAGTACCG | CAGAATCTGG | TTTGCCATGT | AGTACATCGC | CAGCTCGCTC | ACGTTGTTGG |
| | 59401 | GGGCCAGGTT | AATAAAGTTT | ATCGCGCCGT | AGTCCAGGGA | AAACTTTTTTA | ATGAACGCGA |
| | 59461 | TGGTCTCGAT | GTCTCTCGCG | GACAGGAGCC | GGGCGGGAAG | CTGGTTGCGT | TGGAGGGCCG |
| | 59521 | TCCAGAACCA | CTGCGGGTTC | GGCTGGTTGG | ACCCCGGGGG | CTTGCCGTTG | GGGAAGATGG |
| 55 | 59581 | CCGCGTGGAA | CTGCTTCAGC | AGAAAGCCCA | GCGGTCCGAG | GAGGATGTCC | ACGCGCTTGT |
| | 59641 | CGGGCTTCTG | GTAGGCGCTC | TGGAGGCTGG | CGACCCGCGC | CTTGCGGGCC | TCGGACGCGT |
| | 59701 | TGGCGCTCGC | GCCCCGGAAC | AACACGCGGC | TCTTGACGCG | CAGCTCCTTG | GGAAACCCCA |
| | 59761 | GGGTCACGCG | GGCAACGTCG | CCCTCGAAGC | TGCTCTCGGC | GGGGGCCGTC | TGGCCGGCCG |
| | 59821 | TTAGGCTGGG | GGCGCAGATA | GCCGCCCCCT | CCGAGAGCGC | GACCGTCAGC | GTTTTGGCCG |

| | | | | | | | |
|----|-------|------------|-------------|------------|------------|-------------|-------------|
| | 59881 | ACAGAAACCC | GTTGTTAAAC | ATGTCCATCA | CGCGCCGCCG | CAGCACCGGT | TGGAATTGAT |
| | 59941 | TGCGAAAGTT | GCGCCCCTCG | ACCGACTGCC | CGGCGAACAC | CCCGTGGCAC | TGACTCAGGG |
| | 60001 | CCAGGTCCTG | GTACACGGCG | AGGTTGGATC | GCCGCCCGAG | AAGCTGAAGC | AGGGGGCACG |
| 5 | 60061 | GCCCGCACGC | GTACGGGTCC | AGCGTCAGGG | ACATGGCGTG | GTTGGCCTCG | CCCAGACCGT |
| | 60121 | CGCGAAACTT | GAAGTTCCTC | CCCTCCACCA | GGTTGCGCAT | CAGCTGCTCC | ACCTCGCGGT |
| | 60181 | CCACGACCTG | CCTGACGTTG | TTCACCACCG | TATGCAGGGC | CTCGCGGTG | GTGATGATGG |
| | 60241 | TCTCCAGCCG | CCCCATGGCC | GTGGGGACCG | CCTGGTCCAC | GTACTGCAGG | GTCTCGAGTT |
| | 60301 | CGGCCATGAC | GCGCTCGGTC | GCCGCGCGGT | ACGTCTCCTG | CATGATGGTC | CGGGCGGTCT |
| | 60361 | CGGATCCGTC | GCGCGGCTTC | AGGGCCGAGA | AGGCGGCGTA | GTTTCCAGC | ACGTGCGAGT |
| 10 | 60421 | CGCTGTACAT | GCTGTTTCATG | GTCCCGAAGA | CGCCGATGGC | TCCGCGGGCG | GCGCTGGCGA |
| | 60481 | ACTTTGGATG | GCGCGCCCGG | AGGCGCATGA | GCGTCGTGTG | TACGCAGGCG | TGGCGCGTGT |
| | 60541 | CGAAGGTGCA | TAGGTTACAG | GGCACGTCGG | TCTGGTTGGA | GTCCGCGACG | TATCGAAACA |
| | 60601 | CGTCCATCTC | CTGGCGCCCC | ACGATCACGG | CGCCGTCGCA | GCGCTCCAGG | TAAAAACAGCA |
| | 60661 | TCTTGGCCAG | CAGCGCCGGG | GAAAACCCAC | ACAGCATGGC | CAGGTGCTCG | CCGGCAAATT |
| 15 | 60721 | CCTGGGTTCC | GCCGACGAGG | GGCGCGGTGG | GCCGACCCTC | GAACCCGGGC | ACCACGTGTC |
| | 60781 | CCTCGCGGTC | CACCTGTGGG | TTGGCCGCCA | CGTGGGTCCC | GGGCACGAGG | AAGAAAGCGT |
| | 60841 | AAAAGGAGGG | TTTGCTGTGG | TCCTTTGGGT | CCGCCGGGCC | GGCGTCGTCC | ACCTCGGTGA |
| | 60901 | GATGGAGGGC | CGAGTTGGTG | CTAAATACCA | TGGCCCCCAC | GAGTCCCGCG | GCGCGCGCCA |
| | 60961 | GGTACGCCCC | GACGGCGTTG | GCGCGGGCCG | CGGCCGTGTC | CTGGCCCTCG | AACAGCGGCC |
| 20 | 61021 | ACGCGGAGAT | GTCGGTGGGC | GGCTCGTCAA | AGACGGCCAT | CGACACGATA | GACTCGAGGG |
| | 61081 | CCAGGGCGGC | GTCTCCGGCC | ATGACGGAGG | CCAGGCGCTG | TTCGAACCCG | CCCGCCGCGC |
| | 61141 | CCTTGCCGCC | GCCGTCGCGC | CCGCCCCCGC | GGGTCTTACC | CTGGCTGGCT | TCGAAGGCCG |
| | 61201 | TGAACGTAAT | GTCGGCGGGG | AGGGCGGCGC | CCTCGTGGTT | TTCGTCAAAC | GCCAGGTGGG |
| | 61261 | CGGCCGCGCG | GGCCACGGCG | TCCACGTTTC | GGCATCGCAG | TGCCATGCCAG | GCGGGTCCCA |
| 25 | 61321 | CAGACGCCTC | GAACAGGAGG | CGGTTGAGGG | GGCGGTTAAA | AAACGGAAGC | GGGTAGGTAA |
| | 61381 | ATTTCTCCCC | GATCGATCGG | TGGTTGGCGT | TGAACGGCTC | TGCGATGACA | CGGCTAAAAT |
| | 61441 | CCGGCATGAA | CAGCTGCAAC | GGGTACACGG | GTATGCGGTG | CACCTCCGCC | CCGCCATATG |
| | 61501 | TTACCTTGTC | CGAGCCTCCC | AGGTGCAGAA | AGGTGTTGTT | GATGCACACG | GCCTCCTTGA |
| | 61561 | AGCCCTCGGT | AACGACCAGA | TACAGGAGGG | CGCGGTCCGG | GTCCAGGCCG | AGGCGCTCAC |
| 30 | 61621 | ACAGCGCCTC | CCCCGTCGTC | TCGTGTTTGA | GGTCGCCGGG | CCGGGGGGTG | TAGTCCGAAA |
| | 61681 | AGCCAAAATG | GCGGCGTGCC | CGCTCGCAAA | GTGCGGTCAG | GTTCCGGGGC | TGGGTGCTGG |
| | 61741 | GGTCCAGGTG | CCGGCCGCGC | TGAAGACGT | ACACGGACGA | GCTGTAGTGC | GAGGGCGTCA |
| | 61801 | GTTTCAGGGA | CACCGCGGTA | CCCCCGAGCC | CCGTGCTGCG | AGAACCACG | ACCACGGCCA |
| | 61861 | CGTTGGCCTC | AAAGCCGCTC | TCCACGGTCA | GGCCACGAC | CAGGGGCGCC | ACGGCGACGT |
| 35 | 61921 | CGGAATCGCC | GCTGCGTGCC | GACAGTAACG | CCAGAAGCTC | GATGCCTTCG | GACGGACACG |
| | 61981 | CGCGAGCGTA | CACGTATCCC | AGGGGCCCGG | GGGGGACCTT | GATGGTGGTT | GCCGTCTTGG |
| | 62041 | GCTTTGTCTC | CATGTCCTTT | TGTCAATCGG | TCCGCGAACG | GAGGTAATCC | CGGCACGACG |
| | 62101 | ACGGACGCCC | GACAAGGTAT | GTCTCCCGAG | CGTCAAAATC | CGGGGGGGGG | CGGCGACGGT |
| | 62161 | CAAGGGGAGG | GTTGGAGACC | GGGGTTGGGG | AATGAATCCC | TCCCCTTCAC | CGACAACCCC |
| 40 | 62221 | CCGGGTAACC | ACGGGGTGC | CGATGAACCC | CGGCGGCCGG | CAACGCGGGG | TCCCTGCGAG |
| | 62281 | AGGCACAGAT | GCTTACGGTC | AGGTGCTCCG | GGTCGGGTGC | GTCTGGTATG | CGTGTGGTAT |
| | 62341 | ATGTACACTT | TACCTGGGGG | CGTGCCGGTC | CGCCCCAGCC | CCTCCCAGCG | CCCGCGCGTC |
| | 62401 | ATCAGCCGGT | GGGCGTGGCC | GCTATTATAA | AAAAAGTGAG | AACGCGAAGC | GTTTCGCACTT |
| | 62461 | TGTCCTAATA | ATATATATAT | TATTAGGACA | AAGTGCGAAC | GCTTCGCGTT | CTCACTTTTT |
| 45 | 62521 | TTATAATAGC | GGCCACGCCC | ACCGGCTACG | TCACTCTCCT | GTGCGCCGCC | GGCGGTCCAT |
| | 62581 | AAGCCCGGCC | GGCCGGGGCG | ACGCGAATAA | ACCGGGCCGC | CGGCCGGGGC | GCCGCGCAGC |
| | 62641 | AGTCGCGCGC | CCGGATCCGC | CAGACAAACA | AGGCCCTTGC | ACATGCCGGC | CCGGGCGAGC |
| | 62701 | CTGGGGGTCC | GGTAATTTTG | CCATCCCACC | CAAGCGGCTT | TTTGGGTTTT | TCTCTTCCCC |
| | 62761 | CCTCCCCACA | TTCCCCTCTT | TAGGGGTTTC | GGTGGGAACA | ACCGCGATGT | TTTCCGGTGG |
| 50 | 62821 | CGGCGGCCCC | CTGTCCCCCG | GAGGAAAGTC | GGCGGCCAGG | CGGCGTCCG | GGTTTTTTTG |
| | 62881 | GCCCCGCGGC | CCTCGCGGAG | CCAGCCGGGG | ACCCCCGCTT | TGTTTGAGGC | AAAACTTTTA |
| | 62941 | CAACCCCTAC | CTCGCCCCAG | TCGGGACGCA | ACAGAAGCCG | ACCGGGCCAA | CCCAGCGCCA |
| | 63001 | TACGTACTAT | AGCGAATGCG | ATGAATTTTC | ATTTCATCGC | CCGCGGGTGC | TGGACGAGGA |
| | 63061 | TGCCCCCCCC | GAGAAGCGCG | CCGGGGTGCA | CGACGGTCAC | CTCAAGCGCG | CCCCCAAGGT |
| 55 | 63121 | GTACTGCGGG | GGGGACGAGC | GCGACGTCTT | CCGCGTCGGG | TCGGGCGGCT | TCTGGCCGCG |
| | 63181 | GCGCTCGCGC | CTGTGGGGCG | GCGTGGACCA | CGCCCCGGCG | GGGTTCAACC | CCACCGTCAC |
| | 63241 | CGTCTTTCAC | GTGTACGACA | TCCTGGAGAA | CGTGGAGCAC | GCGTACGGCA | TGCGCGCGGC |
| | 63301 | CCAGTTCAC | GCGCGGTTTA | TGGACGCCAT | CACACCGACG | GGGACCGTCA | TCACGCTCCT |
| | 63361 | GGGCCTGACT | CCGGAAGGCC | ACCGGTTGGC | CGTTCACGTT | TACGGCACGC | GGCAGTACTT |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 63421 | TTACATGAAC | AAGGAGGAGG | TCGACAGGCA | CCTACAATGC | CGCGCCCCAC | GAGATCTCTG |
| | 63481 | CGAGCGCATG | GCCGCGGCCC | TGCGCGAGTC | CCCGGGCGCG | TCGTTCCGCG | GCATCTCCGC |
| | 63541 | GGACCACTTC | GAGGCGGAGG | TGGTGGAGCG | CACCGACGTG | TACTACTACG | AGACGCGCCC |
| 5 | 63601 | CGCTCTGTTT | TACCGCGTCT | ACGTCCGAAG | CGGGCGTGTG | CTGTCTGTACC | TGTGCGACAA |
| | 63661 | CTTCTGCCCC | GCCATCAAGA | AGTACGAGGG | TGGGGTCGAC | GCCACCACCC | GGTTCATCCT |
| | 63721 | GGACAACCCC | GGGTTCGTCA | CCTTCGGCTG | GTACCGTCTC | AAACCGGGCC | GGAAACAACAC |
| | 63781 | GCTAGCCCAG | CCGGCGGCCC | CGATGGCCCT | CGGGACATCC | AGCGACGTCC | AGTTTAACTG |
| | 63841 | TACGGCGGAC | AACCTGGCCA | TCGAGGGGGG | CATGAGCGAC | CTACCGGCAT | ACAAGCTCAT |
| 10 | 63901 | GTGCTTCGAT | ATCGAATGCA | AGGCGGGGGG | GGAGGACGAG | CTGGCCTTTC | CGGTGGCCGG |
| | 63961 | GCACCCGGAG | GACCTGGTCA | TCCAGATATC | CTGTCTGCTC | TACGACCTGT | CCACCACCGC |
| | 64021 | CCTGGAGCAC | GTCTTCCTGT | TTTCGCTCGG | TTCTTGCGAC | CTCCCCGAAT | CCCACCTGAA |
| | 64081 | CGAGCTGGCG | GCCAGGGGCC | TGCCCCACGC | CGTGGTTCTG | GAATTTCGACA | GCGAATTCTGA |
| | 64141 | GATGCTGTTG | GCCTTCATGA | CCCTTGTGAA | ACAGTACGGC | CCCGAGTTCG | TGACCGGGTA |
| 15 | 64201 | CAACATCATC | AACTTCGACT | GGCCCTTCTT | GCTGGCCAAG | CTGACGGACA | TTTACAAGGT |
| | 64261 | CCCCCTGGAC | GGGTACGGCC | GCATGAACGG | CCGGGGCGTG | TTTCGCGTGT | GGGACATAGG |
| | 64321 | CCAGAGCCAC | TTCCAGAAGC | GCAGCAAGAT | AAAGGTGAAC | GGCATGGTGA | ACATCGACAT |
| | 64381 | GTACGGGATT | ATAACCGACA | AGATCAAGCT | CTCGAGCTAC | AAGCTCAACG | CCGTGGCCGA |
| | 64441 | AGCCGTCTCTG | AAGGACAAGA | AGAAGGACCT | GAGCTATCGC | GACATCCCCG | CCTACTACGC |
| 20 | 64501 | CGCCGGGCCC | GCGCAACGCG | GGGTGATCGG | CGAGTACTGC | ATACAGGATT | CCCTGCTGGT |
| | 64561 | GGGCCAGCTG | TTTTTTTAAGT | TTTTGCCCCA | TCTGGAGCTC | TCGGCCGTCG | CGCGCTTGCG |
| | 64621 | GGGTATTAAC | ATCACCCGCA | CCATCTACGA | CGGCCAGCAG | ATCCGCGTCT | TTACGTGCCT |
| | 64681 | GCTGCGCCTG | GCCGACCAGA | AGGGCTTTAT | TC TGCCGGAC | ACCCAGGGGC | GATTTAGGGG |
| | 64741 | CGCCGGGGGG | GAGGCGCCCA | AGCGTCCGGC | CGCAGCCCGG | GAGGACGAGG | AGCGGCCAGA |
| | 64801 | GGAGGAGGGG | GAGGACGAGG | ACGAACGCGA | GGAGGGCGGG | GGCGAGGGGG | AGCCGGAGGG |
| 25 | 64861 | CGCGCGGGAG | ACCGCCGGCA | GGCACGTGGG | GTACCAGGGG | GCCAGGGTCC | TTGACCCCCAC |
| | 64921 | TTCCGGGTTT | CACGTGAACC | CCGTGGTGGT | GTTCGACTTT | GCCAGCCTGT | ACCCAGCAT |
| | 64981 | CATCCAGGCC | CACAACCTGT | GCTTCAGCAC | GCTCTCCCTG | AGGGCCGACG | CAGTGGCGCA |
| | 65041 | CCTGGAGGCG | GGCAAGGACT | ACCTGGAGAT | CGAGGTGGGG | GGGCGACGGC | TGTTCTTTCGT |
| 30 | 65101 | CAAGGCTCAC | GTGCGAGAGA | GCCTCCTCAG | CATCCTCCTG | CGGGACTGGC | TCGCCATGCG |
| | 65161 | AAAGCAGATC | CGCTCGCGGA | TTCCCCAGAG | CAGCCCCGAG | GAGGCCGTGC | TCTTGGACAA |
| | 65221 | GCAGCAGGCC | GCCATCAAGG | TCGTGTGTAA | CTCGGTGTAC | GGGTTCACGG | GAGTGCAGCA |
| | 65281 | CGGACTCCTG | CCGTGCCTGC | ACGTTGCCCG | GACGGTGACG | ACCATCGGCC | GCGAGATGCT |
| | 65341 | GCTCGCGACC | CGCGAGTACG | TCCACGCGCG | CTGGGCGGCC | TTCGAACGCC | TCCTGGCCGA |
| 35 | 65401 | TTTCCCGGAG | GCGGCCGACA | TGCGCGCCCC | CGGGCCCTAT | TCCATGCGCA | TCATCTACGG |
| | 65461 | GGACACGGAC | TCCATCTTTG | TGCTGTGCCG | CGGCCTCACG | GCCGCCGGGC | TGACGGCCGT |
| | 65521 | GGGCGACAAG | ATGGCGAGCC | ACATCTCGCG | CGCGCTGTTT | CTGCCCCCA | TCAAACCTCGA |
| | 65581 | GTGCGAAAAG | ACGTTACCA | AGCTGCTGCT | GATCGCCAAG | AAAAAGTACA | TCGGCGTCAT |
| | 65641 | CTACGGGGGT | AAGATGCTCA | TCAAGGGCGT | GGATCTGGTG | CGCAAAAACA | ACTGCGCGTT |
| 40 | 65701 | TATCAACCGC | ACCTCCAGGG | CCCTGGTTCGA | CCTGCTGTTT | TACGACGATA | CCGTCTCCGG |
| | 65761 | AGCGGCCGCC | GCGTTAGCCG | AGCGCCCCGC | GGAGGAGTGG | CTGGCGCGAC | CCCTGCCCGA |
| | 65821 | GGGACTGCAG | GCGTTCGGGG | CCGTCCTCGT | AGACGCCCAT | CGGCGCATCA | CCGACCCGGA |
| | 65881 | GAGGACATC | CAGGACTTTG | TCCTCACC GC | GCAACTGAGC | AGACACCCGC | GCGCGTACAC |
| | 65941 | CAACAAGCGC | CTGGCCCAAC | TGACGGTGTA | TTACAAGCTC | ATGGCCCGCC | GCGCGCAGGT |
| 45 | 66001 | CCCGTCCATC | AAGGACCGGA | TCCCGTACGT | GATCGTGGCC | CAGACCCGCG | AGGTAGAGGA |
| | 66061 | GACGGTCGCG | CGGCTGGCCG | CCCTCCGCGA | GCTAGACGCC | GCCGCCCCAG | GGGACGAGCC |
| | 66121 | CGCCCCCCCC | GCGGCCCTGC | CCTCCCCGGC | CAAGCGCCCC | CGGGAGACGC | CGTCGCCTGC |
| | 66181 | CGACCCCCCG | GGAGGCGCGT | CCAAGCCCCG | CAAGCTGCTG | GTGTCCGAGC | TGGCCGAGGA |
| | 66241 | TCCCGCATAC | GCCATTGCCC | ACGGCGTTCG | CCTGAACACG | GACTATTACT | TCTCCACCT |
| 50 | 66301 | GTTGGGGGCG | GCGTGCCTGA | CATTCAAGGC | CCTGTTTGGG | AATAACGCCA | AGATCACCGA |
| | 66361 | GAGTCTGTTA | AAAAGGTTTA | TTCCCGAAGT | GTGGCACCCC | CCGGACGACG | TGGCCGCGCG |
| | 66421 | GCTCCGGACC | GCAGGGTTTC | GGGCGGTGGG | TGCCGCGGCT | ACGGCGGAGG | AAACTCGTTC |
| | 66481 | AATGTTGCAT | AGAGCCTTTG | ATACTCTAGC | ATGAGCCCCC | CGTCGAAGCT | GATGTCCCTC |
| | 66541 | ATTTTACAAT | AAATGTCTGC | GGCCGACACG | GTCGGAATCT | CCGCGTCCGT | GGGTTTCTCT |
| | 66601 | GCGTTGCGCC | GGACCACGAG | CACAAACGTG | CTCTGCCACA | CGTGGGCGAC | GAACCGGTAC |
| 55 | 66661 | CCCGGGCACG | CGGTGAGCAT | CCGGTCTATG | AGCCGGTAGT | GCAGGTGGGC | GGACGTGCCG |
| | 66721 | GGAAAGATGA | CGTACAGCAT | GTGGCCCCCG | TAAGTGGGGT | CCGGGTAAAA | CAACAGCCGC |
| | 66781 | GGGTTCGCACG | CCCCGCCTCC | GCGCAGGATC | GTGTGGACGA | AAAAAAGCTC | GGGTTGGCCA |
| | 66841 | AGAATCCCGG | CCAAGAGGTC | CTGGAGGGGG | GCGTTGTGGC | GGTCGGCCAA | CACGACCAAG |
| | 66901 | GAGGCCAGGA | AGGCGCGATG | CTCGAATATC | GTGTTGATCT | GCTGCACGAA | GGCCAGGATT |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|------------|-------------|
| | 66961 | AGGGCCCTCGC | GGCTGGTGGC | GGCGAACCGC | CCGTCTCCCG | CGTTGCACGC | GGGACAGCAA |
| | 67021 | CCCCGATGC | CTAGGTAGTA | GCCCATCCCG | GAGAGGGTCA | GGCAGTTGTC | GGCCACGGTC |
| | 67081 | TGGTCCAGAC | AGAAGGGCAG | CGAGACGGGA | GTGGTCTTCA | CCAGGGGCAC | CGAGAGCGAG |
| 5 | 67141 | CGCACGATGG | CGATCTCCTC | GGAGGGCGTC | TGGGCGAGGG | CGGCGAAAAG | GCCCCGATAG |
| | 67201 | CGCTGGCGCT | CGTGTAACA | CAGCTCCTGT | TTGCGGGCGT | GAGGCGGCAG | GCTCTTCCGG |
| | 67261 | GAGGCCCGAC | GCACCACGCC | CAGAGTCCCG | CCGCGCGCAG | AGGAGCGCGA | CCGCCGGCGC |
| | 67321 | TCCTTGCCGT | GATAGGGCCC | GGGCCGGGAG | CCGCGGCGAT | GGGGGTGGT | GTATACATA |
| | 67381 | GGTACACAGG | GTGTGCTCCA | GGGACAGGAG | CGAGATCGAG | TGGCGTCTAA | GCAGCGCGCC |
| | 67441 | CGCCTCACGG | ACAAATGTGG | CGAGCGCGGT | GGGCTTTGGT | ACAAATACCT | GATACGTCTT |
| 10 | 67501 | GAAGGTGTAG | ATGAGGGCAC | GCAACGCTAT | GCAGACACGC | CCCTCGAACT | CGTTCCTCGCA |
| | 67561 | GGCCAGCTTG | GCCTTGTGGA | GCAGCAGCTC | GTCGGGATGG | GTGGCGGGGG | GATGGCCGAA |
| | 67621 | CAGAACCCAG | GGGTCAACCT | CCATCTCCGT | AATGGCGCAC | ATGGGGTCAC | AGAACATGTG |
| | 67681 | CTTAAAGATG | GCCTCGGGCC | CCGCGGCCCC | AAGCAGGCTC | ACAAACCGGC | CCCCGTCCCC |
| | 67741 | GGGCTGCGTC | TCGGGGTCAG | CCTCGAGCTG | GTCGACGACG | GGTACGATAC | AGTCGAAGAG |
| 15 | 67801 | GCTCGTGTG | TTTTCAGAGT | AGCGGACCAC | GGAGGCCCGG | AGTCTGCGCA | GGGCCAGCCA |
| | 67861 | GTAAGCACGC | ACCAATAACA | GGTTACACAG | CAGGCATTCT | CCGCCGGTGC | CCCCGCGCCC |
| | 67921 | CCGGCCGTGT | TTGAGCACGG | TGGCCATCAG | AGGGCCCAGG | TCGAGGTCGG | GCTGGGCATC |
| | 67981 | GGGTTTCGTA | AACTGCGCAA | AGCGCGGAGC | CACGTCGCGC | GTGCGTGCCC | CGCGATGCGC |
| | 68041 | TTCCCAGGAC | TGGCGGACCG | TGGCGCGACG | GGCCTCCGCG | GCAGCGCGCA | GCTGGGGCCC |
| 20 | 68101 | CGACTCCAG | ACGGCGGGGG | TGCCGGCGAG | GAGCAACAGG | ACCAGATCCG | CGTACGCCCA |
| | 68161 | CGTATCGGC | GACTCCTCCG | GCTCGCGGTC | CCCGGCGACC | GTCTCGAATT | CCCCGTTCGCG |
| | 68221 | AGCGGCGGCG | CGAGTACAGC | AGCTGTCCCC | GCCCCGCGC | CGACCCTCCG | TGCAGTCCAG |
| | 68281 | GAGACGGGCG | CAATCCTTCC | AGTTTCATCAG | CGCGGTGGTG | AGCGACGGCT | GCGTGCCGGA |
| | 68341 | TCCCGCGCC | GACCCCGGCC | CCTCCTCGCC | CCCGGAGGCC | AAGGTTCCGA | TGAGGGCCCG |
| 25 | 68401 | GCTGGCAGAC | TGCGCCAGGA | ACGAGTAGTT | GGAGTACTGC | ACCTTGCGCG | CTCCCGGGGA |
| | 68461 | GGGCGAGGGC | TTGGGTTGCT | TCTGGGCATG | CCGCCCGGGC | ACCCCGCCGT | CGGTACGGAA |
| | 68521 | GCAGCAGTGG | AGAAAAAGT | GCCGGTGGAT | GTCGTTTATG | GTGAGGGCAA | AGCGTGCAGAA |
| | 68581 | GGAGCCGACC | AGGGTCGCCT | TCTTGGTGCG | CAGAAAGTGG | CGGTCCATGA | CGTACACAAA |
| | 68641 | CTCGAACGCG | GCCACGAAGA | TGCTAGCGGC | GCAGTGGGGC | GCCCCCAGGC | ATTTGGCACA |
| 30 | 68701 | GAGAAACGCG | TAATCGGCCA | CCCCTGAGG | CGAGAGGCGG | TAGGTTTGCT | TGTACAGCTC |
| | 68761 | GATGGTTCGG | CAGACCAGAC | AGGGCCGGTC | CAGCGCGAAG | GTGTCGATGG | CCGCCGCGGA |
| | 68821 | AAAGGGCCCC | GTGTCCAAAA | GCCCCCTCCC | ACAGGGATCC | GGGGGCGGGT | TGCGGGGTCC |
| | 68881 | TCCGCGCCCG | CCCGAACCCC | CTCCGTCGCC | CGCCCCCCCG | CGGGCCCTTG | AGGGGGCGGT |
| | 68941 | GACCACGTCG | GCGGCGACGT | CCTCGTCGAG | CGTACCGACG | GGCGGCACAC | CTATCACGTG |
| 35 | 69001 | ACTGGC CGTC | AGGAGCTCGG | CGCAGAGAGC | CTCGTTAAGA | GCCAGGAGGC | TGGGATCGAA |
| | 69061 | GGCCACATAC | GCGCGCTCGA | ACGCCCCCGC | CTTCCAGCTG | CTGCCGGGGG | ACTCTTCGCA |
| | 69121 | CACCGCGACG | CTCGCCAGGA | CCCCGGGGGG | CGAAGTTGCC | ATGGCTGGGC | GGGAGGGGCG |
| | 69181 | CACGCGCCAG | CGAACTTTAC | GGGACACAAT | CCCCGACTGC | GCGCTGCGGT | CCCAGACCCT |
| | 69241 | GGAGAGTCTA | GACGCGCGCT | ACGTCTCGCG | AGACGGCGCG | CATGACGCGG | CCGTCTGGTT |
| 40 | 69301 | CGAGGATATG | ACCCCCGCGG | AGCTGGAGGT | TGTCTTCCCG | ACTACGGACG | CCAAGCTGAA |
| | 69361 | CTACCTGTCTG | CGGACGCGAG | GGCTGGCCTC | CCTCCTGACG | TACGCCGGGG | CTATAAAAGC |
| | 69421 | GCCCGACGAC | GCCGCGCCCG | CGCAGACCCC | GCGACACCGC | TGTGTGCACG | GCGAGCTGCT |
| | 69481 | CGCCGC CAAG | CGGGAAAGAT | TCGCGGCGGT | CATTAACCGG | TTCTTGGAAC | TGCACCAGAT |
| | 69541 | TCTGCGGGGC | TGACGCGCGT | GCTGTTGGGC | GGGACGGTTC | GCGAACCCTT | TGGTGGGTTT |
| 45 | 69601 | ACGCGGGCAC | GCACGCTCCC | ATCGCGGGCG | CCATGGCGGG | ACTGGGCAAG | CCCTACACCG |
| | 69661 | GCCACC CAGG | TGACGCCTTC | GAGGGTCTCG | TTCAGCGAAT | TCGGCTTATC | GTCCCATCTA |
| | 69721 | CGTTGC GGGG | CGGGGACGGG | GAGGCGGGCC | CCTACTCTCC | CTCCAGCCTC | CCCTCCAGGT |
| | 69781 | GCGCCTTTCA | GTTTCATGGC | CATGACGGGT | CCGACGAGTC | GTTTCCCATC | GAGTATGTAC |
| | 69841 | TGCGGCTTAT | GAACGACTGG | GCCGAGGTCC | CGTGCAACCC | TTACCTGCGC | ATACAGAACA |
| 50 | 69901 | CCGGCGTGTC | GGTGCTGTTT | CAGGGGTTTT | TTCATCGCCC | ACACAACGCC | CCCGGGGGCG |
| | 69961 | CGATTACGCC | AGAGCGGACC | AATGTGATCC | TGGGCTCCAC | CGGAGACGAC | GGGCTGTCCC |
| | 70021 | TCGGCGACCT | GGACACCATC | AAGGGGCGGC | TCGGCCTGGA | TGCCCGGCCG | ATGATGGCCA |
| | 70081 | GCATGTGGAT | CAGCTGCTTT | GTGCGCATGC | CCGCGGTGCA | GCTCGCGTTT | CGGTTTCATGG |
| | 70141 | GCCCCGAAGA | TGCCGGACGG | ACGAGACGGA | TCCTGTGCCG | CGCCGCCGAG | CAGGCTATTA |
| 55 | 70201 | CCCGTCGCCG | CCGAACCCGG | CGGTCCCGGG | AGGCGTACGG | GGCCGAGGCC | GGGCTGGGGG |
| | 70261 | TGGCCGGAAC | GGGTTTTCCGG | GCCAGGGGGG | ACGGTTTTTG | CCCGCTCCCC | TTGTTAACCC |
| | 70321 | AAGGGCCCTC | CCGCCCGTGG | CACCAGGCCC | TGCGGGGTCT | TAAGCACCTA | CGGATTGGCC |
| | 70381 | CCCCCGCGCT | CGTTTTGGCG | GCGGGACTCG | TCCTGGGGGC | CGCTATTTGG | TGGGTGGTTG |
| | 70441 | GTGCTGGCGC | GCGCCTATAA | AAAAGGACGC | ACCGCCGCCC | TAATCGCCAG | TGCGTTCGGG |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 70501 | ACGCCTTCGC | CCCACACAGC | CCTCCCGACC | GACACCCCCA | TATCGCTTCC | CGACCTCCGG |
| | 70561 | TCCCGATGCG | CGTCCCGCAA | TTTCACCGCC | CCAGCACCGT | TACCACCGAT | AGCGTCCGGG |
| | 70621 | CGCTTGGCAT | GCGCGGGCTC | GTCTTGGCCA | CCAATAACTC | TCAGTTTATC | ATGGATAACA |
| 5 | 70681 | ACCACCCGCA | CCCCCAGGGC | ACCCAAGGGG | CCGTGCGGGA | GT'TTCTCCGC | GGTCAGGCGG |
| | 70741 | CGGCGCTGAC | GGACCTTG GT | CTGGCCCACG | CAAACAACAC | GT'TTACCCCG | CAGCCTATGT |
| | 70801 | TCGCGGGCGA | CGCCCCGGCC | GCTTGGTTGC | GGCCCGCGTT | TGGCCTGCGG | CGCACCTATT |
| | 70861 | CACCGTTTGT | CGTTCGAGAA | CCTTCGACGC | CCGGGACCCC | GTGAGGCCCG | GGGAGTTCCT |
| | 70921 | TCTGGGGTGT | TTTAATCAAT | AAAAGACCAC | ACCAACGCAC | GAGCCTTGCG | TTTAATGTCTG |
| | 70981 | TGTTTATTCA | AGGGAGTGGG | ATAGGGTTTCG | ACGGTTCGAA | ACTTAACACA | CCAAATAATC |
| 10 | 71041 | GAGCGCGTCT | AGCCCAGTAA | CATGCGCACG | TGATGTAGGC | TGGTCAGCAC | GGCGTCGCTG |
| | 71101 | TGATGAAGCA | GCGCCCGGCG | GGTCCGCTGT | AACTGCTGTT | GTAGGCGGTA | ACAGGCGCGG |
| | 71161 | ATCAGTACCG | CCAGGGCGCT | ACGACCGGTG | CGTTGCACGT | AGCGTCGCGA | CAGAACTGCG |
| | 71221 | TTTGCCGATA | CGGGCGGGGG | GCCGAATTGT | AAGCGCGTCA | CCTCTTGGGA | GTCATCGGCG |
| | 71281 | GATAACGCAC | TGAATGGTTC | GTTGGTTATG | GGGGAGTGTG | GTTCCCCAGG | GAGTGGGTCTG |
| 15 | 71341 | AGCGCCTCGG | CCTCGGAATC | CGAGAGGAAC | AACGAGGTGG | CGTCGGAGTC | TTCGTCTCTCA |
| | 71401 | GAGACATACA | GGGTCTGAAG | CAGCGACACG | GGCGGGGGGG | TAGCGTCGAT | GTGTAGCGCG |
| | 71461 | AGGGAGGATG | CCCACGAAGA | CACCCAGAC | AAGGAGCTGC | CCGTGCGTGG | ATTTGTGGAA |
| | 71521 | GACGCGGAAG | CCGGGACGGA | TGGGCGGTTT | TGCGGTGCCC | GGAACCGAAC | CGCCGGATAC |
| | 71581 | TCCCCGGGTG | CTACATGCCC | GTTTTGGGGC | TGGGGTTGGG | GCTGGGGTTG | GGGCTGGGGT |
| 20 | 71641 | TGGGGCTGGG | GTTGGGGCTG | GGGTTGGGGC | TGGGGTTGGG | GTTGGGGTTG | GGGCTGGGGT |
| | 71701 | TGGGGTTGGG | GCTGGGGCTG | GGGCTGGGGC | TGGGGCTGGG | GCTGGGGCTG | GGGCTGGGGC |
| | 71761 | TGGGGCTGGG | GCTGGGGCTG | GGGCTGGGGC | TGGGGCTGGG | GCTGGGGTTG | GGGCGCGGAC |
| | 71821 | AGGCGGCTGA | CGGTCAAATG | CCCCCGGGGG | CGCGCAGATG | TGGTGGGCGT | GGCCACCGGC |
| | 71881 | TGCGGTGTAG | TGGGGCGGCG | GAAACCGGG | CCTCCGGGCG | CAACACCGCT | CTCCAGCGTC |
| 25 | 71941 | AAGTATGTGG | GGGGCGGGCC | TGACGTCGGG | GGCGGGGCGA | CGGGTTGGAC | CTCGGGAGGC |
| | 72001 | GGGGGAGAGG | GACCTGCGGG | AGAGGATGAG | GTCGGCTCGG | CCGGGTTGCG | GCCTAAAACA |
| | 72061 | GGGGCCGTGG | GGTCGGCGGG | GTCCCAGGGT | GAAGGGAGGG | ATTCCC CGGA | TTCGGACAGC |
| | 72121 | GACGCGACAG | CGGGGCGCGT | AAGGCGCCGC | TGCGGCCCGC | CTACGGGAAC | CCTGGGGGGG |
| | 72181 | GTTGGCGCGG | GACCCGAGGT | TAGCGGGGGG | CGGCGGTTTT | CGCCCCCGGG | CAAAACCGTG |
| 30 | 72241 | CCGGTTGCGA | CCGGGGGCGG | AACGGGATCG | ATAGGGAGAG | CGGGAGAAGC | CTGGCCGGCG |
| | 72301 | GCCTGGGGCC | CGAGCGGGAG | GGGCACACCA | GACACCAAAG | CGTGGGGCGC | TGGCTCTGGG |
| | 72361 | GGTTTGGGAG | GGGCCGGGGG | GCGCGCGAAA | TCGGTAACCG | GGGCGACCGT | GTCGGGGAGG |
| | 72421 | GCAGGCGGCC | GCCAACCCTG | GGTGGTCGCG | GAAGCCTGGG | TGGCGCGCGT | CAGGGAGCGT |
| | 72481 | GCCCCGCGGT | GTCCGGCGCG | GCGCGACCCG | GACGAAGAAG | CGGCAGAAGC | GCGGGAGGAG |
| 35 | 72541 | GCGGGGGGGC | GGGGGGCGGT | GGCATCGGGG | GGCGCCGGGG | AACTTTGGGG | GGACGGCAAG |
| | 72601 | CGCCGGAAGT | CGTCGCGGGG | GCCCACGGGC | GCCGGCCCGC | TGCTTTCTGGC | CGGGACGCCC |
| | 72661 | GGTCGTGCTT | CGCGAGCCGT | GA CTGCCGGC | CCAGGGGGCC | GCGGTGCACA | CTGGGACGTG |
| | 72721 | GGGACGGA CT | GATCGGCGGT | GGGCGAAAGG | GGGTCCGGGG | CAAGGAGGGG | CGCGGGGCCG |
| | 72781 | CCGGAGTCTG | CAGACGCGAG | CTCCTCCAGG | CCGTGAATCC | ATGCCACAT | GCGAGGGGGG |
| 40 | 72841 | ACGGGCTCGC | CGGGGGTGGC | GTGCGTGAAT | AGCGTGGGGG | CCAGGCTTCC | GGGCCCCAAC |
| | 72901 | GAGCCCTCCG | CCCCAACAA | GTCCACAGGG | CCGGGGGTCTG | GGTTTGGGAC | CGAGGGGCTC |
| | 72961 | TGGTCGTCTG | GGGCGCGCTG | GTACACCGGA | TGCCCCGGGA | ATAGCTCCCC | CGACAGGAGG |
| | 73021 | GAGGCGTCTGA | ACGGCCGCCC | GAGGATAGCT | GCGCGGAGGA | AGGGGTCTCT | GTCGGTGGCG |
| | 73081 | CTGGCGGCGA | GGACGTCTCT | GCCGCCCGCC | ACAAACGGGA | GCTCCTCGGT | GGCCTCGCTG |
| 45 | 73141 | CCAACAAACC | GCACGTCTGG | GGGGCCGGGG | GGGTCCGGGT | TTTCCCACAA | CACCGCGACC |
| | 73201 | GGGGTCATGG | AGATGTCCAC | GAGCACCAGA | CACGGCGGGC | CCCCGGCGAG | GGGCCGCTCG |
| | 73261 | GCGATGAGCG | CGGACAGGCG | CGGGAGCTGT | GCCGCCAGAC | ACGCGTTTTT | GATCGGGTTT |
| | 73321 | AGGTCGGCGT | GCAGGAGGCG | GACGGCCAC | GTC'TCGATGT | CGGACGACAC | GGCATCGCGC |
| | 73381 | AAGGCGGCGT | CCGGCCCCGG | AGCGCGTGAG | TCAAACAGCG | TGAGACACAG | CTCCAGCTCC |
| 50 | 73441 | GACTCGCGGG | AAAAGGCCGT | GGTGTTCGGG | AGCGCCACGA | CGACGGGCGC | GCCACGAGGC |
| | 73501 | ACTGCCGCA | GCACCGGTC | CATGGCCGTA | ACGCGCGCCG | CGGGGGTGGC | GTTGGTGGCG |
| | 73561 | GCGGCCGGCA | CGGCGACGTG | CTGGCCCCGTG | GGCCGGTAGA | GGGCGTTGGG | GGGAGCGGGG |
| | 73621 | GGTGACGCTT | CGCGCCCCCC | CGAGGGGCTC | AGCGTCTGCC | CAGATTCCAG | ACGCGCGGTC |
| | 73681 | AGAAGGGCGT | CGAAACTGTC | ATACTCTGTG | TAGTCGTCCG | GAAACATGCA | GGTCCAAAGA |
| 55 | 73741 | GCGACCAGAG | CGGTGCTTGG | GAGACACATG | CGCCCAGAGGA | CGCTCACC GC | CGCCAGCGCC |
| | 73801 | TGGGCGGGAC | TCAGCTTTCC | CAGCGCGGCG | CCGCGCTCGG | TTCCAGCTC | GGGGACCGAG |
| | 73861 | CGCCAGGGCG | CCAGGGGGTC | GGTTTCGGAC | AACTTGCCGC | GGCGCCAGTC | TGCCAGCCGC |
| | 73921 | GTGCCGAACA | TGAGGCCCCG | GGTCGGAGGG | CCTCCGGCCG | AAAACGCTGG | CAGCACGCGG |
| | 73981 | ATGCGGGCGT | CTGGATGCGG | GGTCAGGCGC | TGCACGAATA | GCATGGAATC | TGCTGCGTTT |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|------------|------------|
| | 74041 | TGAAACGCAC | GGGGGAGGGT | GAGATGCATG | TACTCGTGTT | GGCGAACCAG | ATCCAGGCGC |
| | 74101 | CAAAAGGTGT | AAATGTGTTT | CGGGGAGCTG | GCCACCAGCG | CCACCAGCAC | GTCGTTCTCG |
| | 74161 | TTAAAGGAAA | CGCGGTGCCT | AGTGGAGCTC | TGGGGTCCGA | GCGGCGGCCC | CGGGGCCGCC |
| 5 | 74221 | GCGTCACCCC | CCCATTCACG | CTGGGCCCAG | CGACACCCAA | ACTCGCGCGT | GAGAGTGGTC |
| | 74281 | GCGACGAGGG | CGACGTAGAG | CTCGGCCGCC | GCATCCATCG | AGGCCCCCCA | TCTCGCCTGG |
| | 74341 | CGGTGGCGCA | CAAAGCGTCC | GAAGAGCTGA | AAGTTGGCGG | CCTGGGCGTC | GCTGAGGGCC |
| | 74401 | AGCTGAAGCC | GGTTGATGAC | GGTGAGGACG | TACATGGCCG | TGACGGTCGA | GGCCGACTCC |
| | 74461 | AGGGTGTCCG | TCGGAAGCGG | GGGGCGAATG | CATGCCGCCT | CGGGACACAT | CAGCAGCGCG |
| | 74521 | CCGAGCTTGT | CGGTCACGGC | CGGGAAGCAG | AGCGCGTACT | GCAGTGGCGT | TCCATCCGGG |
| 10 | 74581 | ACCAAAAAGC | TGGGGGCGAA | CGGCCGATCC | AGCGTACTGG | TGGCCTCGCG | CAGCACCAGG |
| | 74641 | GGCCCCGGGC | CTCCGCTCAC | TCGCAGGTAC | GCCTCGCCCC | GGCGGCGCAG | CATCTGCGGG |
| | 74701 | TCGGCCTCTT | GGCCGGGTGG | GGCGGACGCC | CGGGCGCGGG | CGTCTAGGGC | GCGAAGATCC |
| | 74761 | ACGAGCAGGG | GCGCGGGCGC | GGCCGCCGCG | CCCGCGCCCC | TCTGGCCTGT | GGCCTTGGCG |
| | 74821 | TACGCGCTAT | ATAAGCCCAT | GCGGCGTTGG | ATGAGCTCCC | GCGCGCCCCG | GAACTCCTCC |
| 15 | 74881 | ACCGCCCATG | GGGCCAGGTC | CCCCGCCACC | GCGTCGAATT | CCGCCAACAG | GCCCCCAGG |
| | 74941 | GTGTCAAAGT | TCATCTCCCA | GGCCACCTTT | GGCACCACTT | CGTCCCGCAG | CCGGGCGCTC |
| | 75001 | AGGTCGGCGT | GTTGGGCCAC | GCGCCCCCCG | AGCTCCTCCA | CGGCCCCGCG | CCGCTCGGCG |
| | 75061 | CTCTTGCGCG | CCAGGACGCC | CTGGTACTTG | GCGGGAAGGC | GCTCGTAGTC | CCGCTGGGCT |
| | 75121 | CGCAGCCCCG | ACACAGTGTT | GGTGGTGTC | TGCAGGGCGC | GAAGCTGCTC | GCATGCCGCG |
| 20 | 75181 | CGAAATCCCT | CGGGCGATTT | CCAGGCCCCC | CCGCGAACGC | GGCCGAAGCG | ACCCCATACC |
| | 75241 | TCGTCCCACT | CCGCCTCGGC | CTCCTCGAGA | GACCTCCGCA | GGGCCTCGAC | GCGGCGACGG |
| | 75301 | GTGTCAAGA | GCGCCTGCAG | GCGCGCGCCC | TGTCGCGTCA | GGAGGCCCGG | GCCGTCGCCG |
| | 75361 | CTGGCCGCGC | TTAGCGGGTG | CGTCTCAAAG | GTACGCTGGG | CATGTTCCAA | CCAGGCGACC |
| | 75421 | GCCATGACGT | CGAGCTCGCG | CGCCTTCTCC | GTCTGGTCCA | CCAGAATTTT | GACCTGATCC |
| 25 | 75481 | GCGATCTCCT | CCGCCGAGCG | CGCCTGGTCC | AGCGTCTTGG | CCACGGTCGC | CGGGACGCGC |
| | 75541 | ACCACCTTCA | GCAGGGTCTT | CAGATTGGCC | AGACCCTCGG | CCTCGAGCTG | GGCCCGGCGC |
| | 75601 | TCGCGCGCGG | CCAGCACCTC | CCGCAGCCCC | GCCGTGACCC | GCTCGGTGGC | TTCGGCGCGC |
| | 75661 | TGCTGTTTGG | CGCGCACCAC | GGCGTCCTTG | GTATCGGCCA | GGTCCTGTGC | GGTCACGAAT |
| | 75721 | GCGACGTAGT | GCGCGTACGC | CGTGTCTTTC | ACGGGGCTCT | GGTCCACGCG | CTCCAGCGCC |
| 30 | 75781 | GCCACGCACG | CCACCAGCGC | GTCTCTCGCT | GGGCAGGGCA | GGGTGACCCC | TGCCCCGACA |
| | 75841 | AGCTCGGCGG | CCGCCGCGCG | GTGCTTGCGC | ACCGCGGATA | TCTCCTCCGC | GGCGGCGGCC |
| | 75901 | AGGTCCAGCG | CCACGCTTCC | GATCGCGCGC | CGCGCGTCGG | CCCGGAGGGC | GTCCAGGCGA |
| | 75961 | TCGCGGATAT | CCACGTACTC | GGCGTAGCCC | TTTTGAAAAA | ACGGCACGTA | CTGGCGCAGG |
| | 76021 | GCCGGCACGC | CCCCAAGTC | TTCCGACAGG | TGTAGGACGG | CCTCGTGGTA | GTGATAAAC |
| 35 | 76081 | CGGTCGTTTC | CCTGGGCCCG | CTCCAGCAGC | CCCCCGCCA | GCCGCAGAAG | CCGCGCCAGG |
| | 76141 | GGCTCGGTGT | CCACCCGAAA | CATGTGCGCG | TACGTGTTCG | CCGCGGCCCC | GAAGGCCGCG |
| | 76201 | CTCCAGTCCA | TGCGGTGAAT | GGCTGCGAGC | GGGGGGAGCA | TGGGGTGGCG | CTGGTTCTCG |
| | 76261 | GGGGTGTATG | GGTTAAACGC | AAGGGCCGTC | TCCAGGGCAA | GGGTCAACGC | CTTGGCGTTG |
| | 76321 | GTTCCCAGCG | CCTGTTCCGG | CCGCTTTTCG | AAGTCCCAGG | GGTTGTAGCC | GTGCGTGCCC |
| 40 | 76381 | GCCAGCGCCT | GCAGGCGACG | GAGCTCGACC | ACGTCAAAC | CGGCACCGCT | TTCACGCGG |
| | 76441 | TCCAGCACGG | CCTCCACGTC | GGCGGCCACG | CGCTCGTGCC | TACTGCGGGC | GCGCTGGGCC |
| | 76501 | GCCATCTTCT | CTCTGAGGTC | GGCGGTGGCG | GCCTCAAGTT | CGTCGGCGCG | GCGTCGCGTG |
| | 76561 | GCGCCGATGA | CCTTTCACAG | CTCCTGCAGG | GCGCGCCCGC | TGGGGGAGTG | GTCCCCGGCC |
| 45 | 76621 | GTCCCTTCGG | CGTGCAACAG | GCCCCCGAAC | CTGCCCTCGT | GGCCCGCGAG | GCTTTCCTCG |
| | 76681 | GCGCCGGTGG | TCGCGCGCGT | CGCGGCCCTG | ATCAGGGAGG | CATGCTCTCC | CTCCGGTTGG |
| | 76741 | TTGGCGGCCC | GGCGCACCTG | GACGACAAGG | TCGGCGGCGG | CCGACCTTAA | GGTCGTGAGC |
| | 76801 | TGGGCGATGG | CCACCCGCGC | GTCCAGGGCC | AACCGAGTCG | CCTTGACGTA | TCCCGCGGCG |
| | 76861 | CTGTCGGCCA | TGGCCGCTAG | GAAGGCCAGG | GGGGAGGCCG | GGTCCGTGGC | GGCCCGGCCC |
| | 76921 | AGGGCCGTCA | CCGCGTCGAC | CAGGACGCGG | TGCGCCCGCA | CGGCCGCATC | CACCGTCGAC |
| 50 | 76981 | GCAGGGTCTG | CCGTTGCGAC | GGCGGCGCTG | CCGGCGTTGA | TGGCGTTTCA | GACGGCGTGG |
| | 77041 | GCTATGATCG | GGGCGTGATC | GGCGAAGAAC | TGCAAGAGAA | ACCGAGTCTC | TGGGGCGTCC |
| | 77101 | GCGAACAGGT | TCTTCAGCAC | CACCACGAAG | CTGGGATGCA | AGCCAGACAG | AGCCGTGCGC |
| | 77161 | GTGTCCGGAG | TCGGGTGCTC | CAGGGCATCT | CGGTACTGCC | CCAGCAGCCC | CCACATGTCC |
| | 77221 | GCCCGCAGCG | CCGCCGTAAC | CTCAGGGGGC | GCCCCCGGAA | CGGCCTCGGG | GAGGTCCGAC |
| 55 | 77281 | CAGCCCGCCG | GCAGGGAGGC | CCGCAGGGTC | GCCAGGACGG | CCGGACAGGC | CTTTAGCCCC |
| | 77341 | ACAAAGTCAG | GGAGGGGGCG | CAGGACCCCC | TGGAGTTTGT | GCAAGAATTT | CTCCCGGGCG |
| | 77401 | TCGCGGGCCA | CCTTCGCCCC | CTCCCGCGCT | CCCTCGAGCA | TTGCCTCCAG | GGAGCGCGCG |
| | 77461 | CGCTCCCGCA | AACGGGCACG | CGCATCGGGG | GCGAGCTCTG | CCGTCAGCTT | GGCGGCATCC |
| | 77521 | ATGGCCCGCG | CCTGCCGCGG | CGCTTCCTCG | GCCATGCGCG | TGGCCTCTGG | CGACAGCCCC |

| | | | | | | | |
|----|-------|------------|-------------|-------------|------------|------------|------------|
| | 77581 | CCGTCGTCGG | GGTAGGGCGA | CGCGCCGGGC | GCAGGAACAA | AGGCCGCGTC | GCTGTCCAGC |
| | 77641 | TGCTGGCCCA | GGGCCGCATC | TAGGGCGTCG | AAGCGCCGCA | GCTCGGCCAG | ACCCGAGCTG |
| | 77701 | CGGCGCGCCT | GTTGGTCGTT | AATGTGCGCG | ATGCTGCGCG | CCAGCTCGTC | CAGTGGCTTG |
| 5 | 77761 | CGTTCTATCA | GCCCTTGGTT | GGCGGCGTCC | GTCAGGACGG | AGAGCCAGGC | CGCCAGGTCC |
| | 77821 | TCGGGGGCGT | CCAGCGTCTG | GCCCCGCTGG | ATCAGATCCC | GCAACAGGAT | GGCCGTGGGG |
| | 77881 | CTGGTCGCGA | TCGGGGGCGG | GGCGGGAATG | GCGGCGCGCT | GCGCGATGTC | CCGCGTGTGC |
| | 77941 | TGGTCGAAGA | CAGGCAGGGA | CTCGAGCAGC | TGGACACAGG | GCACGACGG | GGCCGAAGCC |
| | 78001 | ACGTGAAACC | GGCGGTCTGTT | GTTGTGCTGT | GCCTGTAGAG | CCTTGCGGCT | GTATACGGCC |
| | 78061 | CCCCGGTAAA | AGTACTCCTT | AACCGCGCCC | TGCATCGCCC | GACGGGCCTG | GGTCCGCACC |
| 10 | 78121 | TCCTCCAGCC | GAACCTGAAC | GGCCTCGGGG | CCCAGGGGGG | GTGGGCGCGG | AGCCCCCTGC |
| | 78181 | GGGGCCGCCC | CGGCCGGGGC | GGGCATTACG | CCGAGGGGCC | CGGCGTGCTG | TGAGACCGCG |
| | 78241 | TCGACCCCGC | GAGCGAGGGC | GTCGAGGGCC | TCGCGCATCT | GGCGATCCTC | CGCTTCCACC |
| | 78301 | CTAATCTCTT | CGCCACGGGC | AAATTTGGCC | AGAGCCTGGA | CTCTATACAG | AAGCGGTTCT |
| | 78361 | GGGTGCGTCG | GGGTGGCGGG | GGCAAAAAGG | GTGTCCGGGT | GGGCCTGCGA | GCGTCCAGA |
| 15 | 78421 | AGCCACTCGC | CGAGGCGTGT | ATACAGATTG | GCCGGCGGGG | CCGCGCGAAG | CTGCAGCTCC |
| | 78481 | AGGTCCGCGA | GTTCCCCGTA | AAAGGCGTCC | GTCTCCCGAA | TGACATCCCT | AGCCACAAGG |
| | 78541 | ATCAGCTTCG | CCAGCGCCAG | GCGACCGATC | AGAGAGTTTT | CGTCCAGCAC | GTGCTGGACG |
| | 78601 | AGGGGCAGAT | GGGCGGCCAC | GTCGGCCAGG | CTCAGGCGCG | TGGAGGCCAG | AAAGTCCCCC |
| | 78661 | ACGGCCGTTT | TCCAGGGCAG | CATGTTTCAGG | GTAAACTCCA | GCAGGGCGGC | GGCCGGGCCG |
| 20 | 78721 | GCCACCCCGG | CCTGGGTGTG | CGTCCGGGCC | CCGTCTCTGA | TGAGAAAGGC | GAGGACGCGT |
| | 78781 | TCAAAGAAAA | AAATAACACA | GAGCTCCAGC | AGCCCCGGAG | AGGCCGGATA | CGGCGACCGT |
| | 78841 | AAGGCGCTGA | TGGTGAGCCG | CGAACACGCG | GCGACCTCGC | GGGCCAGGGC | GGCGGAGCAC |
| | 78901 | GCGGTGAACT | TAACCGCCGT | GGCGGCCACG | TTTGGGTGGG | CCTCGAACAG | CTGGGCGAGG |
| | 78961 | TCTGCGCCCG | GGGGCTCGGG | CGAGCGGCCA | GTCTTCAGCG | CCTCGAGGGC | CTGTGAGGAC |
| 25 | 79021 | GCCGGAACCG | TGGGCCCGTC | GTCCTCGCCC | GCCTCGGCGA | CCGGCGGCC | GGCCGGGTCT |
| | 79081 | GGGGGTGCCG | AGGCGAGGAC | AGGCTCCGGA | ACGGAGGCGG | GGACCGCGGC | CCCGACGGGG |
| | 79141 | GTTTTGCCTT | TGGGGGTGGA | TTTCTTCTTG | GTTTTGGCAG | GGGGGGCCGA | GCGTTTCGTT |
| | 79201 | TTCTCCCCCG | AAGTCAGGTC | TTCGACGCTG | GAAGGCGGAG | TCCAGGTGGG | TCGGCGGCGC |
| | 79261 | TTGGGAAGGC | CGGCCGAGTA | GCGTGCCCGG | TGCCGACCAA | CCGGGACGAC | GCCCATCTCC |
| 30 | 79321 | AGGACCCGCA | TGTCGTCGTC | ATCTTCTTCG | GCCGCCCTCT | CGGCGGGGGT | CTTGGGGGCG |
| | 79381 | GAGGGAGGCG | GTGGTGGGAT | CGCGGAGGGT | GGGTGCGCGG | AGGGTGGGTC | GGCGGAGGGG |
| | 79441 | GGATCCGTGG | GTGGGGTACC | CTTCAGGGCC | ACCGCCCAT | CATCGTCGGG | CGCCCGATTC |
| | 79501 | GGGCGCTTGG | CCTCTGGTTT | TGCCGACGGA | CCGGCCGTCC | CCCGGGATGT | CTCGGAGGCC |
| | 79561 | CTGTCTGTCG | GACGGGCCCG | GTCGGTGGC | GGCGACTGGG | CGGCTGTGGG | CGGGTGTGGC |
| 35 | 79621 | CCCGGGCCCC | CTACCCCTCT | CCGGGGGGCC | ACGCCGACGC | AGGGCTCCCC | CAGGCCCGCG |
| | 79681 | ATCTCGCCCC | GCAGGGGGTG | CGTGATGGCC | ACGCGCCGTT | CGCTGAACGC | TTCTCTCTGC |
| | 79741 | AGGTAAGTCT | CGCTGGCCCC | GTAAGATGTC | AGAGCCGCGG | CCGTCAAGTC | CGCAGGAGCC |
| | 79801 | GCGGGTTCCG | GGCCCGACGG | CACGAAAAAC | ACCATGGCTC | CCGCCACCG | TACGTCCGGG |
| | 79861 | CGATCGCGGG | TGTAATACGT | CAGGTATGGA | TACATGTCCC | CCGCCCGCAC | TTTGGCGATG |
| 40 | 79921 | AACGCGGGGG | TGCCCTCCGG | AAGGCCGTGC | GGGTCAAAA | GGTATGCGGT | GTCGCCGTCC |
| | 79981 | CTGAACAGCC | CCATCCCTAG | GGGGCCAATG | GTTAGGAGCG | TGTACGACAG | GGGGCGCAGG |
| | 80041 | GCCACCGGG | CGGCGAAGAA | CGTGTGTGCG | GGGCATTGTG | TCTCCAGCAG | GCCCGCCGCG |
| | 80101 | GGCTCCCCGA | AGAAGCCAC | CTCGCCGTAT | ACGCGCGAGA | AGACACAGCG | CAGTCCGCTG |
| | 80161 | CGCGCCCCCT | GGTACTCGAG | GAAAGTTGGGG | AGCTCGACGA | TCGAACACAT | GCGCGGCGGC |
| 45 | 80221 | CCAGGGCCCC | CGGTGCGCG | CGTCCACTCG | CCCCCTCTGA | CCAAACATCC | CTCGATGGCC |
| | 80281 | TCCGCGGACA | GGACGTGCG | AGGGCCCACA | TCAAATATGA | GGCTGAGAAA | GGACAGCGAC |
| | 80341 | GAGCGCATGC | ACGATACCGA | CCCCCCCCGG | TCCAGGTCGG | GCGCGAACTG | GTTCCGAGCA |
| | 80401 | CCGGTGACCA | CGATGTGCG | ATCCCCCCCC | CGTTCCATCG | TGGAGTGCGG | TGGGGTGCCC |
| | 80461 | GCGATCATAT | GTGCCCTGCT | GGCCAGAGAG | CCGGCCTGTT | TATGGACCGG | ACCCCCGGGG |
| 50 | 80521 | TTAGTGTTGT | TTCCGCCACC | CATGCCCCCG | TACCATGGCC | CCGGTTCCTC | TGATTAGGCT |
| | 80581 | ACGAGTCGCG | GTGATCGCTT | CCCAAAAACC | GAGCTGCGTT | TGTCTGTCTT | GGTCTTCCAC |
| | 80641 | CCCCCCCCCG | GCCCGCCCGC | ACACCATAAC | ACCGAGAACA | ACACACGGGG | TGGGGCGTAA |
| | 80701 | CATAATAAAG | CTTTATTGGT | AAGTAGTTAA | CGGCAAGTCC | GTGGGTGGCG | CGACGGTGTC |
| | 80761 | CTCCGGGATC | ATCTCGTCGT | CCTCGACGGG | GGTGTGGGAA | TGAGGCGCCC | CCTCGCGGTC |
| 55 | 80821 | CGCCTGGCGT | GGGCCGTGCC | CATAGGCCTC | CGGCTTCTGT | GCGTCCATGG | GCATAGGCGC |
| | 80881 | GGGGAGACTG | TTTCCGGCGT | CGCGGACCTC | CAGGTCCCTG | GGAGACTCCG | GTCCGGCTAA |
| | 80941 | CGGACGAAAC | GCGGAAGCGC | GAAACACGCC | GTCGGTGACC | CGCAGGAGCT | CGTTCATCAG |
| | 81001 | TAACCAATCC | ATACTCAGCG | TAACGGCCAG | CCCCTGCGGA | GACAGATCCA | CGGAGTCCGG |
| | 81061 | AACCGCGGTC | GTCTGGCCCA | GGGGGCCGAG | GCTGTAGTCC | CCCCAGGCC | CTAGGTCGCG |

| | | | | | | | |
|----|-------|-------------|------------|------------|-------------|------------|-------------|
| | 81121 | ACGGCTCGTA | AGCACGACGC | GGTCGGCCGC | GGGGCTTTGC | GGGGGGGCGT | CCTCGGGCGC |
| | 81181 | ATGCGCCATT | ACCTCTCGGA | TGGCCGCGGC | GCGCTGGTCG | GCCGAGCTGA | CCAAGGGCGC |
| | 81241 | CACGACCACG | GCGCGCTCCG | TCTGCAGGCC | CTTCCACGTG | TCGTGGAGTT | CCTGGACAAA |
| 5 | 81301 | CTCGGCCACG | GGCTCGGGTC | CCGCGGCCGC | GCGCGCGGCT | TGATAGCAGG | CCGACAGACG |
| | 81361 | CCGCCAGCGC | GCTAGAAACT | GACCCATGAA | GCAAAACCCG | GGGACCTGGT | CTCCCGACAG |
| | 81421 | CAGCTTCGAC | GCCCAGGCGT | GAATGCCGGA | CACGACGGAC | AGAAACCCGT | GAATTTTCGCG |
| | 81481 | CCGGACCACG | GCCAGCACGT | TGTCTTCGTG | CGACACCTGG | GCCGCGAGCT | CGTCGCACAC |
| | 81541 | CCCCAGGTGC | GCCGTGGTTT | CGTGATGAC | GGAACGCAGG | CTCGCGAGGG | ACGCGACCAG |
| 10 | 81601 | CGCGCGCTTG | GCGTCGTGAT | ACATGCTGCA | GTACTGACTC | ACCGCGTCCC | CCATGGCCTC |
| | 81661 | GGGGGGCCAG | GGCCCCAGGC | GGTCGGGCGT | GTCCCCGACC | ACCGCATACA | GGCGGCGCCC |
| | 81721 | GTCGCTCTCG | AACCGACACT | CGAAAAAGGC | GGAGAGCGTG | CGCATGTGCA | GCCGCAGCAG |
| | 81781 | CACGATGGCG | TCCTCCAGTT | GGCGAATCAG | GGGGTCTGCG | CGCTCGGCGA | GGTCCTGCAG |
| | 81841 | CACCCCCCGG | GCGGCCAGGG | CGTACATGCT | AATCAACAGG | AGGCTGGTGC | CCACCTCGGG |
| | 81901 | GGGCGGGGGG | GGCTGCAGCT | GGACCAGGGG | CCGCAGCTGC | TCGACGGCAC | CCCTGGAGAT |
| 15 | 81961 | CACGTACAGC | TCCCGGAGCA | GCTGCTCTAT | GTTGTCGGCC | ATCTGCATAG | TGGGGCCGAG |
| | 82021 | GCCGCCCCCG | GCGGCCGGTT | CGAGGAGGGT | GATCAGCGCG | CCGAGTTTGG | TGCGATGGCC |
| | 82081 | CTCAACCGTG | GGGAGATAGC | CCAGCCCCAA | GTCCCCGGCC | CAGGCCAACA | CACGCAGGGC |
| | 82141 | GAACCTCGACC | GGGCGGGGAA | GGTAGGCCGC | GCTACACGTG | GCCCTCAGCG | CGTCCCCGAC |
| | 82201 | CACCAGGGCC | AGAACGTAGG | GGACGAAGCC | CGGGTCGGCG | AGGACGTTGG | GGTGAATGCC |
| 20 | 82261 | CTCGAGGGCG | GGGAAGCGGA | TCTGGGTGCG | CGCGGCCAGG | TGGACAGAGG | GGGCGTGGCT |
| | 82321 | GGGCTGCCCG | ACGGGGAGAA | GCGCGGACAG | CGGCGTGGCC | GGGGTGGTGG | GGTGATGTC |
| | 82381 | CCAGTGGGTC | TGACCATACA | CGTCGATCCA | GATGAGCGCC | GTCTCGCGGA | GAAGGCTGGG |
| | 82441 | TTGACCGGAA | CTAAAGCGGC | GCTCGGCCGT | CTCAAACCTC | CCCACGAGCG | CCCGCCGACG |
| | 82501 | GCTCGCCAGA | TGTTCCGTCG | GCACGGCCGG | ACCCATGATA | CGCGCCAGCG | TCTGGCTTAG |
| 25 | 82561 | AACGCCCCCG | GACAGCCCGA | CCGCTTCGCA | GAGCCGCCCG | TGCGTGTGCT | CGCTGGCGCC |
| | 82621 | CTGGACCCGC | CTGAAAGTTT | TTACGTAGTT | GGCATAGTAC | CCGTATTCCC | GCGCCAACCC |
| | 82681 | AAACACGTTT | GACCCCGCGA | GGGCAATGCA | CCCAAAGAGC | TGCTGGACTT | CGCCGAGTCC |
| | 82741 | GTGGCCGGTG | GGCGTCCGCG | CGGGGACGCC | CGCCGCCAGA | AACCCCTCCA | GGGCCGAAAG |
| | 82801 | GTAGTGCGTG | CAGTGCAGAG | GCGTGAACCC | AGCGTCGATC | AGGGTGTGTA | TCACCACGGA |
| 30 | 82861 | GGGCGAATTG | GTATTCTGGA | TCAACGTCCA | CGTCTGCTGC | AGCAGAGCCA | GCAGCCGCTG |
| | 82921 | CTGGGCGCCG | GCGGAGGGCT | GCTCCCCGAG | CTGCAGCAGG | CTGGAGACGG | CAGGCTGGAA |
| | 82981 | GACTGCCAGT | GCCGACGAAC | TCAGGAACGG | CACGTCGGGA | TCAAACACGG | CCACGTCCGT |
| | 83041 | CCGCACGCGC | GCCATTAGCG | TCCCAGGGGG | GCGACAGGCC | GAGCGCGGGC | TGACGCGGCT |
| | 83101 | GAGGGCCGTC | GACACGCGCA | CTCTCTCGCG | GCTGCGAACC | ATCTTGTGGG | CCTCGAGCGG |
| 35 | 83161 | CGGAATCATT | ATGGCCGGGT | CGATCTCCCG | CACGGTGTGC | TGAAACTGCG | CCAACAGGGG |
| | 83221 | CGGCGGGACC | ACAGCCCCCG | GCTCGGGGGT | CGTCAGGTAC | TCGTCCACCA | GGGCCAACGT |
| | 83281 | AAAGAGGGCC | CGTGTGAGGG | GAGTGAGGGT | CGCGTCGTCT | ATGCGCTGGA | GGTGCGCCGA |
| | 83341 | GAACAGCGTC | ACCCGATTAC | TCACCAGGGC | CAAGAACC GG | AGGCCCTCTT | GCACGAACGG |
| | 83401 | GGCGGGGAAG | AGCAGGCTGT | ACGCCGGGGT | GGTAAGGTTT | GCGCTGGGCT | GCCCCAACGG |
| 40 | 83461 | GACCGGCGCC | ATCTTGAGCG | ACGTCTCCCC | AAGGGCCTCG | ATGGAGGTCC | GCGGGCTCAT |
| | 83521 | GGCCAAGCAG | CTCTTGGTGA | CGGTTTGCCA | GCGGTCTATC | CACTCCACGG | CGCACTGGCG |
| | 83581 | GACGCGGACC | GGCCCCAGGG | CCGCCGCGGT | GCGCAGGCCG | CGGAATCCA | GCGCATGGGA |
| | 83641 | CGTGTCGGAG | CCGGTGACCG | CGAGGATGGT | GTCTTTGATG | ACCTCCATCT | CCCGGAAGGC |
| | 83701 | CTGGTTCGGG | GCCTCGGGGA | GAGCCACCAC | CAAGCGGTGT | ACGAGCAACC | CGGGGAGGTT |
| 45 | 83761 | CTCGGCCAAG | AGCGCCGTCT | CCGGAAGCCC | GTGGGCCCCG | TGGAGCGCGC | ACAGGTGTTC |
| | 83821 | CAGCAGCGGC | CGCCAGCAGT | CCCGCGCGTC | TGCCGGGGCG | ATGGCCGTTC | CCGACAACAG |
| | 83881 | AAACGCCGCC | ATGGCGGCGC | GCAGCTTGCC | CGTGCCGAGA | AACGCCGGGT | CGTCCGCCCC |
| | 83941 | GTTTGCCGTC | TCGGCCGTGG | GGGTTGGCGG | TTGGCGAAGG | CCGGCTAGGC | TCGCCAATAG |
| | 84001 | GCGCTGCATA | GGTCCGTCCG | AGGGCGGACC | GGCGGGTGAG | GTCTGTACGA | CGGGGGCCTC |
| 50 | 84061 | GGACGGGAGA | CCGCGGTCTG | CCATGACGCC | CGGCTCGCGT | GGGTGGGGGA | CAGCGTAGAC |
| | 84121 | CAACGACGAG | ACCGGGCGGG | AATGACTGTC | GTGCGCTGTA | GGGAGCGGCG | AATTATCGAT |
| | 84181 | CCCCCGCGGC | CCTCCAGGAC | CCCCGCAGGC | GTTGCGAGTA | CCCCCGCTCT | TCGCGGGGTG |
| | 84241 | TTATACGGCC | ACTTAAGTCC | CGGCATCCCC | TTGCGGGACC | CAGGCCCGGG | GGATTGTCCG |
| | 84301 | GATGTGCGGG | CAGCCCGGAC | GGCGTGGGTT | GCGGACTTTT | TGCGGGGCGG | CCCAAATGGC |
| 55 | 84361 | CCTTTAAACG | TGTGTATACG | GACGCGCCGG | GCCAGTCGGC | CAACACAACC | CACCGGAGGC |
| | 84421 | GGTAGCCGCG | TTTGGCTGTG | GGGTGGGTGG | TTCCGCCTTG | CGTGAGTGTC | CTTTCGACCC |
| | 84481 | CCCCCCCCCT | CCCTCCCCCG | GGTCTTGCTA | GGTCGCGATC | TGGGGTCGCA | ATGAAGACCA |
| | 84541 | ATCCGCTACC | CGCAACCCCT | TCCGTGTGGG | GCGGGAGTAC | CGTGGAATTC | CCCCCACAAC |
| | 84601 | CACGCGATAC | CGCGGGACAG | GGCTGTCTTC | GGCGGTCTCT | GCGCCCCCGG | ATCTCTCGCC |

| | | | | | | | |
|----|-------|------------|-------------|------------|-------------|-------------|------------|
| | 84661 | GCGACGGCCC | AGGGCTCCCC | AGGGGGTCGG | GACCCCGGAG | GGCGGCCAGC | ACGCTGTGGT |
| | 84721 | TGCTTGGCCT | GGACGGCACA | GACGCGCCCC | CTGGGGCGCT | GACCCCCAAC | GACGATACCG |
| | 84781 | AACAGGCCCT | GGACAAGATC | CTGCGGGGCA | CCATGCGCGG | GGGGGCGGCC | CTGATCGGCT |
| 5 | 84841 | CCCCGCGCCA | TCATCTAACC | CGCCAAGTGA | TCCTGACGGA | TCTGTGCCAA | CCCAACGCGG |
| | 84901 | ATCGTGTCTG | GACGCTGCTT | CTGGCGCTGC | GGCACCCTGC | CGACCTGCCT | CACCTGGCCC |
| | 84961 | ACCAGCGCGC | CCCGTCAGGC | GGGCAGACCG | AGCGGCTGGG | CGAGGCTGGG | GGCCAGCTGA |
| | 85021 | TGGAGGCGAC | CGCCCTGGGG | TCGGGGCGAG | CCGAGAGCGG | GTGCACGCGC | GCGGGCCTAG |
| | 85081 | TGTCGTTTAA | CTTCCTGGTG | GCGGCGTGTG | CCGCCTCGTA | CGACGCGCGC | GACGCCGCCG |
| | 85141 | ATGCGGTACG | GGCCCACGTC | ACGGCCAAC | ACCGCGGGAC | GCGGGTGGGG | GCGCGCCTGG |
| 10 | 85201 | ATCGTTTTTC | CGAGTGTCTG | CGCGCCATGG | TTACACACGA | CGTCTTCCCC | CACGAGGTCA |
| | 85261 | TGCGGTTTTT | CGGGGGGCTG | GTGTCGTGGG | TCACCCAGGA | CGAGCTAGCG | AGCGTCACCG |
| | 85321 | CCGTGTGCGC | CGGGCCCCAG | GAGGCGGCGC | ACACCGGCCA | CCCGGGCCCG | CCCCGCTCGG |
| | 85381 | CCGTGATCCT | CCCGGCATGT | GCGTTCGTGG | ACCTGGACGC | CGAGCTGGGG | CTGGGGGGCC |
| | 85441 | CGGGCGCGGC | GTTTCTGTAC | CTGGTATTCA | CTTACCGCCA | GCGCCGGGAC | CAGGAGCTGT |
| 15 | 85501 | GTTGTGTGTA | CGTGATCAAG | AGCCAGCTCC | CCCGCGCGG | GTGGAGCCG | GCCCTGGAGC |
| | 85561 | GGCTGTTTGG | GCGCCTCCGG | ATCACCAACA | CGATTACGCG | CACCGAGGAC | ATGACGCCCC |
| | 85621 | CGGCCCCAAA | CCGAAACCCC | GACTTCCCCC | TCGCGGGCCT | GGCCGCCAAT | CCCCAAACCC |
| | 85681 | CGCGTTGCTC | GGCTGGCCAG | GTCACGAACC | CCAGATTTCG | CGACAGGCTG | TACCGCTGGC |
| | 85741 | AGCCGGACCT | GCGGGGGCGC | CCCACCGCAC | GCACCTGTAC | GTACGCCGCC | TTTGCAGAGC |
| 20 | 85801 | TCGGCATGAT | GCCCGAGGAT | AGTCCCCGCT | GCCTGCACCG | CACCGAGCGC | TTTGGGGCGG |
| | 85861 | TCAGCGTCCC | CGTTGTCAAT | CTGGAAGGCG | TGGTGTGGCG | CCCCGGCGAG | TGGCGGGCAT |
| | 85921 | GCGCGTGAGC | GTAGCAAACG | CCCCGCCCAC | ACAACGCTCC | GCCCCCAACC | CCTTCCCCGC |
| | 85981 | TGTCACCTGT | TGTTCTGTGA | CCCGGGCGTC | CGCCAAATAA | AGCCACTGAA | ACCCGAAACG |
| 25 | 86041 | CGAGTGTGTT | AACGTCTTTT | GGGCGGGAGG | AAGCCACAAA | ATGCAAAATG | GATACATGGA |
| | 86101 | AGGAACACAC | CCCCGTGACT | CAGGACATCG | GTGTGTCTCT | TTGGGTTTCA | TTGGGTTTGG |
| | 86161 | CCCGCGCCCC | ACCCCTGCGC | GATGTGGATA | AAAAGCCAGC | GCGGGTGGTT | TAGGGTACCA |
| | 86221 | CAGGTGGGTG | CTTTGGAAAC | TTGCCGGTCG | CCGTGCTCCT | GTGAGCTTGC | GTCCCTCCCC |
| | 86281 | GGTTTCCTTT | GCGCTCCCGC | CTTCCGGACC | TGCTCTCGCC | TACTCTTCTT | TGGCTCTCGG |
| | 86341 | TGCGATTCTG | CAGGCAGCGG | CCTTGTCTGA | TCTCGACCCC | ACCACTCGCC | GGACCCGCCG |
| 30 | 86401 | ACGTCCCCTC | TCGAGCCCGC | CGAAACCCGC | CGCGTCTGTT | GAAATGGCCA | GCCGCCCAGC |
| | 86461 | CGCATCCTCT | CCCGTCGAAG | CGCGGGCCCC | GGTTGGGGGA | CAGGAGGCCG | GCGGCCCCAG |
| | 86521 | CGCAGCCACC | CAGGGGGAGG | CCCGCGGGG | CCCTCTCGCC | CACGGCCACC | ACGTGTACTG |
| | 86581 | CCAGCGAGTC | AATGGCGTGA | TGGTGTCTTC | CGACAAGACG | CCCGGGTCCG | CGTCTTACCG |
| | 86641 | CATCAGCGAT | AACAACCTTG | TCCAATGTGG | TTCCAACATG | CCCATGATCA | TCGACGGAGA |
| 35 | 86701 | CGTGGTGCGC | GGGCGCCCCC | AGGACCCGGG | GGCCGCGGCA | TCCCCGCTC | CCTTCGTTGC |
| | 86761 | GGTGACAAAC | ATCGGAGCCG | GCAGCGACGG | CGGGACCGCC | GTCGTGGCAT | TCGGGGGAAC |
| | 86821 | CCCACGTGCG | TCGGCGGGGA | CGTCTACCGG | TACCCAGACG | GCCGACGTCC | CCACCGAGGC |
| | 86881 | CCTTGGGGGG | CCCCCTCCTC | CTCCCCGCTT | CACCCCTGGG | GGCGGCTGTT | GTTCTGTCTG |
| | 86941 | CGACACACGG | CGCCGCTCTG | CGGTATTCCG | GGGGGAGGGG | GATCCAGTCG | GCCCCGCGGA |
| 40 | 87001 | GTTCTGCTCG | GACGACCGGT | CGTCCGATTC | CGACTCGGAT | GACTCGGAGG | ACACGGACTC |
| | 87061 | GGAGACGCTG | TCACACGCCT | CCTCGGACCT | GTCCGGCGGG | GCCACGTACG | ACGACGCCCT |
| | 87121 | TGACTCCGAT | TCGTATCCGG | ATGACTCCCT | CGAGATAGAT | GGCCCCGTGT | GTCGCCCGTG |
| | 87181 | GAGCAATGAC | ACCGCGCCCC | TGGATGTTTG | CCCGGGGACC | CCCGGCCCGG | GCGCCGACGC |
| | 87241 | CGGTGGTCCC | TCAGCGGTAG | ACCCACACGC | GC CGACGCCA | GAGGCCGGCG | CTGGTCTTGC |
| 45 | 87301 | GGCCGATCCC | GCCGTGGCCC | GGGACGACGC | GGAGGGGCTT | TCGGACCCCC | GGCCACGTCT |
| | 87361 | GGGAACGGGC | ACGGCCTACC | CCGTCCCCCT | GGAACCTCAC | CCCGAGAACG | CGGAGGCCGT |
| | 87421 | GGCGCGCTTT | CTGGGAGATG | CCGTGAACCG | CGAACCCCGC | CTCATGCTGG | AGTACTTTTG |
| | 87481 | CCGGTGCGCC | CGCGAGGAAA | CCAAGCGTGT | CCCCCCAGG | ACATTGCGCA | GCCCCCTCG |
| | 87541 | CCTCACGGAG | GACGACTTTG | GGCTTCTCAA | CTACGCGCTC | GTGGAGATGC | AGCGCCTGTG |
| 50 | 87601 | TCTGGACGTT | CCTCCGTTCC | CGCCGAACGC | ATACATGCCC | TATTATCTCA | GGGAGTATGT |
| | 87661 | GACGCGGCTG | GTCAACGGGT | TCAAGCCGCT | GGTGAGCCGG | TCCGTCCGCC | TTTACCGCAT |
| | 87721 | CCTGGGGGTT | CTGGTGCACC | TGCGGATCCG | GACCCGGGAG | GCCTCCTTTG | AGGAGTGGCT |
| | 87781 | GCGATCCAAG | GAAGTGGCCC | TGGATTTTGG | CTTGACGGAA | AGGCTTCGCG | AGCACGAAGC |
| | 87841 | CCAGCTGGTG | ATCCTGGCCC | AGGCTCTGGA | CCATTACGAC | TGTCTGATCC | ACAGCACACC |
| 55 | 87901 | GCACACGCTG | GTGAGCGGG | GGCTGCAATC | GGCCCTGAAG | TATGAGGAGT | TTTACCTAAA |
| | 87961 | GCGTTTTGGC | GGGCAC'TACA | TGGAGTCCGT | CTTCCAGATG | TACACCCGCA | TCGCCGGCTT |
| | 88021 | TTTGGCCTGC | CGGGCCACGC | GCGGCATGCG | CCACATCGCC | CTGGGGCGAG | AGGGGTCTGT |
| | 88081 | GTGGGAAATG | TTCAAGTTCT | TTTTCCACCG | CC'TCTACGAC | CACCGAGATCG | TACCGTCGAC |
| | 88141 | CCCCGCCATG | CTGAACCTGG | GGACCCGCAA | CTACTACACC | TCCAGCTGCT | ACCTGGTAAA |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|-------------|-------------|
| | 88201 | CCCCCAGGCC | ACCACAAACA | AGGCGACCCT | GCGGGCCATC | ACCAGCAACG | TCAGTGCCAT |
| | 88261 | CCTCGCCCGC | AACGGGGGCA | TCGGGCTATG | CGTGCGAGCG | TTTAACGACT | CCGGCCCCCG |
| | 88321 | GACCGCCAGC | GTCATGCCCC | CCCTCAAGGT | CCTTGACTCG | CTGGTGCGCG | CGCACAACAA |
| 5 | 88381 | AGAGAGCGCG | CGTCCGACCG | GCGCGTGCGT | GTACCTGGAG | CCGTGGCACA | CCGACGTGCG |
| | 88441 | GGCCGTGCTC | CGGATGAAGG | GGGTCTTCGC | CGGCGAAGAG | GCCCAGCGCT | GCGACAATAT |
| | 88501 | CTTCAGCGCC | CTCTGGATGC | CAGACCTGTT | TTTCAAGCGC | CTGATTTCGC | ACCTGGACGG |
| | 88561 | CGAGAAGAAC | GTCACATGGA | CCCTGTTCGA | CCGGGACACC | AGCATGTTCG | TCGCCGACTT |
| | 88621 | TCACGGGGAG | GAGTTCGAGA | AGCTCTACCA | GCACCTCGAG | GTTCATGGGGT | TCGGCGAGCA |
| | 88681 | GATACCCATC | CAGGAGCTGG | CCTATGGCAT | TGTGCGCAGT | GCGGCCACGA | CCGGGAGCCC |
| 10 | 88741 | CTTCGTCTATG | TTCAAAGACG | CGGTGAACCG | CCACTACATC | TACGACACCC | AGGGGGCGGC |
| | 88801 | CATCGCCGGC | TCCAACCTCT | GCACCGAGAT | CGTCCATCCG | GCCTCCAAGC | GATCCAGTGG |
| | 88861 | GGTCTGCAAC | CTGGGAAGCG | TGAATCTGGC | CCGATGCGTC | TCCAGGCAGA | CGTTTGACTT |
| | 88921 | TGGGCGGCTC | CGCGACGCCG | TGCAGGCGTG | CGTGCTGATG | GTGAACATCA | TGATCGACAG |
| | 88981 | CACGCTACAA | CCCACGCCCC | AGTGCACCCG | CGGCAACGAC | AACCTGCGGT | CCATGGGAAT |
| 15 | 89041 | CGGCATGCAG | GGCCTGCACA | CGGCCTGCCG | GAAGCTGGGG | CTGGATCTGG | AGTCTGCCGA |
| | 89101 | ATTTTCAGGAC | CTGAACAAAC | ACATCGCCGA | GTTGATGCTG | CTGTGCGCGA | TGAAGACCAG |
| | 89161 | CAACGCGCTG | TGCGTTTCGCG | GGGCCCCGTC | CTTCAACCAC | TTTAAGCGCA | GCATGTATCG |
| | 89221 | CGCCGGCCGC | TTTCACTGGG | AGCGCTTTCC | GGACGCCCCG | CCGCGGTACG | AGGGCGAGTG |
| | 89281 | GGAGATGCTA | CGCCAGAGCA | TGATGAAACA | CGGCCTGCGC | AACAGCCAGT | TTGTGCGGCT |
| 20 | 89341 | GATGCCCACC | GCCGCCTCGG | CGCAGATCTC | GGACGTCAGC | GAGGGCTTTG | CCCCCTGTCT |
| | 89401 | CACCAACCTG | TTCAGCAAGG | TGACCCGGGA | CGGCGAGACG | CTGCGCCCCA | ACACGCTCCT |
| | 89461 | GCTAAAGGAA | CTGGAACGCA | CGTTTAGCGG | GAAGCGCCTC | CTGGAGGTGA | TGGACAGTCT |
| | 89521 | CGACGCCAAG | CAGTGGTCCG | TGGCGCAGGC | GCTCCCGTGC | CTGGAGCCCA | CCCACCCCTT |
| | 89581 | CCGGCGGATC | AAGACCGCGT | TTGACTACGA | CCAGAAGTTG | CTGATCGACC | TGTGTGCGGA |
| 25 | 89641 | CCGCGCCCCC | TACGTCGACC | ATAGCCAATC | CATGACCCTG | TATGTACACG | AGAAGCGGGA |
| | 89701 | CGGGACCCTC | CCAGCCTCCA | CCCTGGTCCG | CCTTCTGGTC | CACGCATATA | CACGCGGACT |
| | 89761 | AAAAACAGGG | ATGTACTACT | GCAAGGTTTC | CAAGGCGACC | AACAGCGGGG | TCTTTGGCGG |
| | 89821 | CGACGACAAC | ATTGTCTGCA | TGAGCTGCGC | GCTGTGACCG | ACAAACCCCC | TCCGCGCCAG |
| | 89881 | GCCCCGCCGC | ACTGTCTGTC | CCGTCCCACG | CTCTCCCCCT | CTGCCATGGA | TTCCGCGGCC |
| 30 | 89941 | CCAGCCCTCT | CCCCCGCTCT | GACGGCCCTT | ACGGACCAGA | GCGCGACGGC | GGACCTGGCG |
| | 90001 | ATCCAGATTC | CAAAGTGCCC | CGACCCCGAG | AGGTACTTCT | ACACCTCCCA | GTGTCCCGAC |
| | 90061 | ATTAACCACC | TGCGCTCCCT | CAGCATCCTT | AACCGCTGGC | TGGAAACCGA | GCTTGTTTTC |
| | 90121 | GTGGGGGACG | AGGAGGACGT | CTCCAAGCTT | TCCGAGGGCG | AGCTCAGCTT | TTACCGCTTC |
| 35 | 90181 | CTCTTCGCTT | TCCTGTGCGC | CGCCGACGAC | CTGGTTACGG | AAAACCTGGG | CGGCTCTTCC |
| | 90241 | GGCCTGT'TTG | AGCAGAAGGA | CATTCTCCAC | TACTACGTGG | AGCAGGAATG | CATCGAAGTC |
| | 90301 | GTACACTCGC | GCGTGTACAA | CATCATCCAG | CTGGTGCTTT | TCCACAACAA | CGACCAGGCG |
| | 90361 | CGCCGCGAGT | ACGTGGCCGG | TACCATCAAC | CACCCGGCCA | TCCGCGCCAA | GGTGGACTGG |
| | 90421 | TTGGAAGCGC | GGGTGCGGGA | ATGCGCCTCC | GTTCCGGAAA | AGTTTCATTCT | CATGATCCTC |
| 40 | 90481 | ATCGAGGGCA | TCTTTTTTTC | CGCCTCGTTT | GCCGCCATCG | CCTACCTTCG | CACCAACAAC |
| | 90541 | CTTCTGCGGG | TCACCTGCCA | GTCAAACGAC | CTCATCAGCC | GGGACGAGGC | CGTGACACAG |
| | 90601 | ACGGCCTCGT | GTTACATCTA | CAACAACCTAC | CTCGGCGGGC | ACGCCAAGCC | CCGCCCCGAC |
| | 90661 | GCGGTGTACG | GGCTGTTCCG | CCAGGCGGTC | GAGATCGAGA | TCGGATTTAT | CCGATCCCAG |
| | 90721 | GCGCCGACGG | ACAGCCATAT | CCTGAGCCCG | GCGGCGCTGG | CGGCCATCGA | AAACTACGTG |
| 45 | 90781 | CGATTTCAGC | CGGATCGCCT | GTTGGGCTTT | ATCCACATGA | AGCCACTGTT | TTCCGCCCCA |
| | 90841 | CCCCCGACG | CCAGCTTTCC | GCTGAGCCTC | ATGTCCACCG | ACAAACACAC | CAATTTTTTTC |
| | 90901 | GAGTGTGCGA | GCACCTCCTA | CGCCGGGGCG | GTCGTCAACG | ATCTGTGAGT | GTGCGGCGCG |
| | 90961 | GCTTCTACCC | GTGTTTGCCC | ATAATAAACC | TCTGAACCAA | ACTTTGGGTC | TCATTGTGAT |
| | 91021 | TCTTGTCAGG | GACGCGGGGG | TGGGAGAGGA | TAAAAGGCGG | CGCAAAAAGC | AGTAACCAGG |
| | 91081 | TCCGTCCAGA | TTCTGCGGGC | ATAGGATACC | ATAATTTTAT | TGGTGGGTTC | TTTGTTCGGG |
| 50 | 91141 | GACAAGCGCG | CTCGTCTGAC | GTTTGGGCTA | CTCGTCCCAG | AATTTGGGCA | GGACGTCCCT |
| | 91201 | GTAGAAGCGG | GGTGGGGGGG | CCTGGGTCGG | CAACTGCTCC | AGAAACCTGT | CGGCGATATC |
| | 91261 | AGGGGCCGTG | ATATGCCGGG | TCACGATAGA | TCGCGCCAGG | TTTTCGTTCG | GGATCTCCTG |
| | 91321 | GTAGATAGGC | AGGCGTTTCA | GAAGAGTCCA | CGGCCCCCGC | TCCTTGGGGC | CGATAAGCGA |
| | 91381 | TATGACGTAC | TTAATGTAGC | GGTGTTCAC | CAGCTCGGTG | ATGGTCATGG | GATCGGGGAG |
| 55 | 91441 | CCAGTCCAGG | GACTCTGGGG | CGTCTGGGAT | GACGTGGCGT | CGCGGGTTGG | CCACATAACT |
| | 91501 | GCGGTGCTCT | TCCAGCAGCT | GCGCGTTCGG | GACCTGGACG | AGTTCGGGCG | GGGTGAGTAT |
| | 91561 | CTCCGAGGAG | GACGACCTGG | GGCCGGGGTG | GCCCCCGGTA | ACGTCCCGGG | GATCCAGGGG |
| | 91621 | GAGGTCTCTG | TCGTCTTCGT | ATCCGCCGGC | GATCTGTTGG | GTTAGAATTT | CGGTCCACGA |
| | 91681 | GACGCGCGTC | TCGGTGCCCG | CGGCGGCCCG | CGGCAGAGGG | GGCCTGGTTT | CCGTGGAGCG |

| | | | | | | | |
|----|-------|-------------|-------------|------------|-------------|-------------|------------|
| | 91741 | CGAGCTGGTG | TGTTCCCGGC | GGATGGCCCC | CCGGGTCTGA | GAGCGACTCG | GGGGGGTCCA |
| | 91801 | GTGACATTCG | CGCAGCACAT | CCTCCACGGA | GGCGTAGGTG | TTATTGGGAT | GGAGGTCGGT |
| | 91861 | GTGGCAGCGG | ACAAAGAGGG | CCAGGAACGT | GGGGTAGCTC | ATCTTAAAGT | ACTTTAGTAT |
| 5 | 91921 | ATCGCGACAG | T'TGATCGTGG | GAATGTAGCA | GGCGCTAATA | TCCAACACAA | TATCACAGCC |
| | 91981 | CATCAACAGG | AGGTCAGTGT | CCGTGGTGTA | CACGTACGCG | ACCGTGT'TGG | TGTGATAGAG |
| | 92041 | GTTGGCGCAG | GCATCGTCCG | CCTCCAGCTG | ACCCGAGTTA | ATGTAGGCGT | ACCCACGGGC |
| | 92101 | CCGGAGAACG | CGAATACAGA | ACAGATGCGC | CAGACGCAGG | GCCGGCTTCG | AGGGCGCGCG |
| | 92161 | GGACGGCAGC | GCGGCTCCGG | ACCCGGCCGT | CCCCCGGGTC | CCCGAGGCCA | GAGAGGTGCC |
| | 92221 | GCGCCGGCGC | ATGTTGGAAA | AGGCAGAGCT | GGGTCTGGAG | TCGGTGATGG | GGGAAGGCGG |
| 10 | 92281 | TGGAGAGGCG | TCCACGTCAC | TGGCCTCCTC | GTCCGTCCGG | CACTGGGCCG | TCGTGCGGGC |
| | 92341 | CAGGATGGCC | TTGGCTCCAA | ACACAACCGG | CTCCATACAA | TTGACCCCGC | GATCGGTAAC |
| | 92401 | GAAGATGGGG | AAAAGGGACT | TTTGGGTAAA | CACCTTTAAT | AAGCGACAGA | GGCAGTGTAG |
| | 92461 | CGTAATGGCC | TCGCGGTCTG | AACTGGGGTA | TCGGCGCTGA | TATTTGACCA | CCAACGTGTA |
| | 92521 | CATGACGTTT | CACAGGTCCA | CGGCAATGGG | GGTGAAGTAC | CCGGCCGGGG | CCCCAAGGCC |
| 15 | 92581 | CCGGCGCTTG | ACCAGATGGT | GTGTGTGGGC | AAACTTCATC | ATCCCGAACA | AACCCATGTC |
| | 92641 | AGGTCAATTG | TAAGTGCAGA | TCGGCCTAAC | TAAGGCGTGG | TTGGTGCAGC | GGTCCGGGAC |
| | 92701 | ACCCGAGCCT | GTCTCTCTGT | GTATGGTGAC | CCAGACAACA | ACACCGACAC | AAGAGGACAA |
| | 92761 | TAATCCGTTA | GGGGACGCTC | TTTATAATTT | CGATGGCCCA | ACTCCACGCG | GATTGGTGCA |
| | 92821 | GCACCCTGCA | TGCGCCGGTG | CGGGCCAACC | TTCCCCCGCG | TCATTGCCTC | TTCCAAAAGG |
| 20 | 92881 | GTGTGGCCTA | ACGAGCTGGG | GGCGTATTTA | ATCAGGCTAG | CGCGGCGGGC | CTGCCGTAGT |
| | 92941 | TTCTGGCTCG | GTGAGCGACG | GTCCGGTTGC | TTGGGTCCCC | TGGCTGCCAT | CAAACCCCA |
| | 93001 | CCCTCGCAGC | GGCATAACGC | CCCTCCGCGT | CCCGCACCCG | AGACCCCGGC | CCGGCTGCCC |
| | 93061 | TCACCACCGA | AGCCCACCTC | GTCACGTGTG | GGTGT'TCCCA | GCCCGCGTTG | GGATGACGGA |
| | 93121 | TTCCCCTGGC | GGTGTGGCCC | CCGCCTCCCC | CGTGGAGGAC | GCGTCGGACG | CGTCCCTCGG |
| 25 | 93181 | GCAGCCGGAG | GAGGGGGCGC | CCTGCCAGGT | GGTCTGCAG | GGCGCCGAAC | TTAATGGAAT |
| | 93241 | CCTACAGGCG | TTTGCCCCGC | TGCGCACGAG | CCTTCTGGAC | TCGCTTCTGG | TTATGGGCGA |
| | 93301 | CCGGGGCATC | CTTATCCATA | ACACGATCTT | TGGGGAGCAG | GTGTTCCTGC | CCCTGGAACA |
| | 93361 | CTCGCAATTC | AGTCGGTATC | GCTGGCGCGG | ACCCACGGCG | GCGTTCCTGT | CTCTCGTGGA |
| | 93421 | CCAGAAGCGC | TCCCTCCTGA | GCGTGTTTCG | CGCCAACCAG | TACCCGACC | TACGTCCGGT |
| 30 | 93481 | GGAGTTGGCG | ATCACGGGCC | AGGCCCCGTT | TCGCACGCTG | GTTTACGCGA | TATGGACGAC |
| | 93541 | GACGTCCGAC | GGCGAGGCCG | TTGAGCTAGC | CAGCGAGACG | CTGATGAAGC | GCGAACTGAC |
| | 93601 | GAGCTTTGTG | GTGCTGGTTC | CCCAGGGAAC | CCCCGACGTT | CAGTTGCGCC | TGACGAGGCC |
| | 93661 | GCAGCTCAC | AAGGTCCTTA | ACGCGACCGG | GGCCGATAGT | GCCACGCCCC | CCACGTTCCA |
| 35 | 93721 | GCTCGGGTTT | AACGGCAAAT | TTTCCGTGTT | CACCACGAGT | ACCTGCGTCA | CCTTTGCTGC |
| | 93781 | CCGCGAGGAG | GGCGTGTCGT | CCAGCACACG | CACCCAGGTC | CAGATCCTGT | CCAACGCGCT |
| | 93841 | CACCAAGGCG | GGCCAGGCGG | CCGCCAACGC | CAAGACGGTG | TACGGGGAAA | ATACCCATCG |
| | 93901 | CACCTTCTCT | GTGGTCGTCT | ACGATTGCAG | CATGCGGGCG | GTGCTCCGGC | GAAGTCAGGT |
| | 93961 | CGGCGGGGGC | ACCTTCAAGT | TCTTCTCTAC | GACCCCGCTC | CCCAGTCTGT | GCGTCACCGC |
| | 94021 | CACCGGTCCC | AACGCGGTAT | CGGCGGTATT | TCTCCTGAAA | CCCCAGAAGA | TTTGCCTGGA |
| 40 | 94081 | CTGGCTGGGT | CATAGCCAGG | GGTCTCCTTC | AGCCGGGAGC | TCGGCCTCCC | GGGCCTCTGG |
| | 94141 | GAGCGAGCCA | ACAGACAGCC | AGGACTCCGC | GTCGGACGCG | GTCAGCCACG | GCGATCCGGA |
| | 94201 | AGACCTCGAT | GGCGCTGCC | GGCGGGGAGA | GGCGGGGGCC | TTGCATGCC | GTCCGATGCC |
| | 94261 | GTCGTCGACC | ACGCGGGTCA | CTCCACGAC | CAAGCGGGGG | CGCTCGGGGG | GCGAGGATGC |
| 45 | 94321 | GCGCGCGGAC | ACGGCCCTAA | AGAAACCTAA | GACGGGGTCG | CCCACCGCAC | CCCCGCCCCG |
| | 94381 | AGATCCAGTC | CCCC'TGGACA | CGGAGGACGA | CTCCGATGCG | GCGGACGGGA | CGGCGGCCCC |
| | 94441 | TCCCGCCGCT | CCAGACGCCC | GGAGCGGAAG | CCGTTACGCG | TGTTACTTTC | GCGACCTCCC |
| | 94501 | GACCGGAGAA | GCAAGCCCCG | GCGCCTTCTC | CGCCTTCCGG | GGGGGCCCCC | AAACCCCGTA |
| | 94561 | TGGT'TTTGGA | TTCCCC'TGAC | GGGGCGGGGC | CTTGGCGGCC | GCCCAACTCT | CGCACCATCC |
| | 94621 | CGGGT'TAATG | TAAATAAACT | TGGTATTGCC | CAACACTTTC | CCGCGTGTCT | CGTGTGGTTC |
| 50 | 94681 | ATGTGTGTGC | CTGGCGCCCC | CACCTCTGGG | TTCTGTGTATT | TCCTTTCCCT | GTCTTTATAA |
| | 94741 | AAGCCGTATG | TGGGGCGTGA | CGGAACCAAC | CCGCGTGCCA | TCACGGCCAA | GGCGCGGGAT |
| | 94801 | GCTCCGCAAC | GACAGCCACC | GGGCCGTGTC | CCCGAGGAC | GGGTCGACGA | GGGTCGACGA |
| | 94861 | CGGACGGCCA | CACCTCGCGT | GCGTGGGGGC | CCTGGCGCGG | GGGTTTATGC | ATATCTGGCT |
| | 94921 | TCAGGCCGCC | ACGCTGGGTT | TTGCGGGATC | GGTCGTTATG | TCGCGCGGGC | CGTACGCGAA |
| 55 | 94981 | TGCCGCGTCT | GGGGCGTTTC | CCGTGCGGGT | CGCCGTGCTG | GGCTTTATGC | GCGACCCCCC |
| | 95041 | TCCCC'TCGCG | CGGCCCACCG | CGCGGATATA | CGCCTGGCTC | AAACTGGCGG | CCGGTGGAGC |
| | 95101 | GGCCCTTGTT | CTGTGGAGTC | TCGGGGAGCC | CGGCACGCAG | CCGGGGGGCC | CGGCCCCGGG |
| | 95161 | CCCGGCCACC | CAGTGCC'TGG | CACTGGGCGC | CGCCTATGCG | GCGCTCCTGG | TGCTCGCCGA |
| | 95221 | TGACGTCTAT | CCGCTCTTTC | TCCTCGCCCC | GGGGCCCCCT | TTCTGTCGCA | CCCTGGGGAT |

| | | | | | | | |
|----|-------|------------|------------|-------------|------------|-------------|-------------|
| | 95281 | GGTCGTCGGC | GGGCTGACGA | TCGGAGGCAG | CGCGCGCTAC | TGGTGGATCG | GTGGGCCCGC |
| | 95341 | CGCGGCCGCC | CTGGCCGCGG | CGGTGTTGGC | GGGCCCGGGG | GCGACCACCG | CCAGGGACTG |
| | 95401 | CTTTTCCAGG | GCTTGCCCCG | ACCACCGCCG | CGTCTGTGTC | ATCACCGCAG | GCGAGTCTCT |
| 5 | 95461 | TCCCCGCCGC | CCCCCGGAGG | ACCCAGAGCG | ACCCGGGGTT | CCCGGGCCCG | CGTCCCCCCC |
| | 95521 | GACCCCCCAA | CGATCCCACG | GGCCGCCCGC | CGATGAGGTC | GCACCGGCCA | GGGTGCGCGC |
| | 95581 | GCCCGAAAAC | GTCTGGGTGC | CCGTGGTCAC | CTTTCTGGGG | GCGGGCGCGC | TTGCCGTCAA |
| | 95641 | GACGGTGCGA | GAACATGCCC | GGGGAACGCC | GGGCCCGGGC | CTGCCGCTGT | GGCCCCAGGT |
| | 95701 | GTTTCTCGGA | GGCCATGTGG | CGGTGGCCCT | GACGGAGCTG | TGTCAGGCGC | TGCCGCCCTG |
| | 95761 | GGACCTTACG | GACCCGCTGC | TGTTTGTTCA | CGCCGGAAGT | CAGGTCAATCA | ACCTCGGGTT |
| 10 | 95821 | GGTGTTCGCG | TTTTCCGAGG | TTGTCTGTGA | TGCGGCGCTA | GGGGGTGCGC | TGTGGATTTC |
| | 95881 | GTTGGCGCAG | GTGCTGGGGC | TCCGGCGTCG | CCTGCACAGG | AAGGACCCCG | GGGACGGGGC |
| | 95941 | CCGGTTGGCG | GCGACGCTTC | GGGGCCTCTT | CTTCTCCGTG | TACGCGCTGG | GGTTTGGGGT |
| | 96001 | GGGGGTGCTG | CTGTGCCCTC | CGGGGTCAAC | GGGCGGGCGG | TCGGGCGATT | GATATATTTT |
| | 96061 | TCAATAAAAG | GCATTAGTCC | CGAAGACCGC | CGGTGTGTGA | TGATTTCCGCC | ATAACACCCA |
| 15 | 96121 | AACCCCGGAT | GGGGCCCGGG | TATAAATTC | GGAAGGGGAG | ACGGGCTACC | CTCACTATCG |
| | 96181 | AGGGCGCTTG | GTCGGGAGGC | CGCATCGAAC | GCACACCCCG | ATCCGGTGGT | CCGTGTGGAG |
| | 96241 | GTCGTTTTC | TGCCCCGTCT | CGCTTTGCCG | GGAACGCTAG | CCGATCCCTC | GCGAGGGGGA |
| | 96301 | GGCGTCGGGC | ATGGCCCCCG | GGCGGGTGGG | CCTTGCCGTG | GTCTGTGGA | GCCTGTTGTG |
| | 96361 | GCTCGGGGCG | GGGGTGTCCG | GGGGCTCGGA | AACTGCCTCC | ACCGGGCCCA | CGATCACCGC |
| 20 | 96421 | GGGAGCGGTG | ACGAACGCGA | GCGAGGCCCG | CACATCGGGG | TCCCCCGGGT | CAGCCGCCAG |
| | 96481 | CCCGGAGGTC | ACCCCCACAT | CGACCCCAAA | CCCCAACAAT | GTCACACAAA | ACAAAACCAC |
| | 96541 | CCCCACCGAG | CCGGCCAGCC | CCCCAACAAC | CCCCAAGCCC | ACCTCCACGC | CCAAAAGCCC |
| | 96601 | CCCCACGTCC | ACCCCCGACC | CCAAACCCAA | GAACAACACC | ACCCCCGC | AGTCGGGGCCG |
| | 96661 | CCCCACTAAA | CCCCCGGGC | CCGTGTGGTG | CGACCGCCGC | GACCCATTGG | CCCGGTACGG |
| 25 | 96721 | CTCGCGGGTG | CAGATCCGAT | GCCGTTTTCG | GAATTCACC | CGCATGGAGT | TCCGCCCTCA |
| | 96781 | GATATGGCGT | TACTCCATGG | GTCCGTCCCC | CCCAATCGCT | CCGGCTCCCG | ACCTAGAGGA |
| | 96841 | GGTCTTGACG | AACATCACCG | CCCCACCCGG | GGGACTCCTG | GTGTACGACA | GCGCCCCCAA |
| | 96901 | CCTAACGGAC | CCCCACGTGC | TCTGGGCGGA | GGGGGCCGGC | CCGGGCGCG | ACCCTCCGTT |
| | 96961 | GTATTCTGTC | ACCGGGCCGC | TGCCGACCCA | GCGGCTGATT | ATCGGCGAGG | TGACGCCCGC |
| 30 | 97021 | GACCCAGGGA | ATGTATTACT | TGGCCTGGGG | CCGGATGGAC | AGCCCGCACG | AGTACGGGAC |
| | 97081 | GTGGGTGCGC | GTCCGCATGT | TCCGCCCCCC | GTCTCTGACC | CTCCAGCCCG | ACGCGGTGAT |
| | 97141 | GGAGGGTCAG | CCGTTCAAGG | CGACGTGCAC | GGCCGCCGCC | TACTACCCGC | GTAACCCCGT |
| | 97201 | GGAGTTTGTG | TGGTTCGAGG | ACGACCACCA | GGTGTTTAAC | CCGGGCCAGA | TCGACACGCA |
| | 97261 | GAGCGACGAG | CACCCCGACG | GGTTCACCAC | AGTCTCTACC | GTGACCTCG | ACTCGTTCGG |
| 35 | 97321 | CGGCCAGGTC | CCCCCGCGGA | CCTTCACCTG | CCAGATGACG | TGGCATCGCG | ACTCCGTGAC |
| | 97381 | GTTCTCGCGA | CGCAATGCCA | CCGGGCTGGC | CCTGGTGCTG | CCGCGGCCAA | CCATCACCAT |
| | 97441 | GGAATTTGGG | GTCCGCATTG | TGGTCTGCAC | GGCCGGCTGC | GTCCCCGAGG | GCGTGACGTT |
| | 97501 | TGCCTGGTTC | CTGGGGGACG | ACCCCTCACC | GGCGGCTAAG | TCGGCCGTTA | CGGCCCAGGA |
| | 97561 | GTCGTGCGAC | CACCCCGGGC | TGGCTACGGT | CCGGTCCACC | CTGCCCATT | CGTACGACTA |
| 40 | 97621 | CAGCGAGTAC | ATCTGTGCGT | TGACCGGATA | TCCGGCCGGG | ATTCCCGTT | TAGAACACCA |
| | 97681 | CGGCAGTCAC | CAGCCCCCAC | CCAGGGACCC | CACCGAGCGG | CAGGTGATCG | AGGCGATCGA |
| | 97741 | GTGGGTGGGG | ATTGGAATCG | GGGTCTCGC | GGCGGGGGTC | CTGGTCTGAA | CGGCAATCGT |
| | 97801 | GTACGTCGTC | CGCACATCAC | AGTCGCGGCA | GCGTCATCGG | CGGTACGCA | AGACCCCCCC |
| | 97861 | GTTACCTTTT | TAATATCTAT | ATAGTTTGGT | CCCCCTCTA | TCCCGCCAC | CGCTGGGGCG |
| 45 | 97921 | TATAAAGCCG | CCACCCTCTC | TTCCCTCAGG | TCATCCTTGG | TCGATCCCGA | ACGACACACG |
| | 97981 | GCGTGGAGCA | AAACGCCTCC | CCCTGAGCCG | CTTTCTTACC | AACACAACGG | CATGCCTCTG |
| | 98041 | CGGGCATCGG | AACACGCCTA | CCGGCCCCCTG | GGCCCCGGGA | CACCCCCCAT | GCGGGCTCGG |
| | 98101 | CTCCCCGCCG | CGGCCTGGGT | TGGCGTCGGG | ACCATCATCG | GGGGAGTTGT | GATCATTGCC |
| | 98161 | GCGTTGGTCC | TCGTGCCCTC | GCGGGCCTCG | TGGGCATTT | CCCCATGCGA | CAGCGGATGG |
| 50 | 98221 | CACGAGTTCA | ACCTCGGGTG | CATATCCTGG | GATCCGACCC | CCATGGAGCA | CGAGCAGGCG |
| | 98281 | GTCGCGCGCT | GTAGCGCCCC | GGCGACCTTG | ATCCCCCGCG | CGGCTGCCAA | ACAGCTGGCC |
| | 98341 | GCCGTCGCAC | GCGTCCAGTC | GGCAAGATCC | TCCGGCTACT | GGTGGGTGAG | CGGAGACGGC |
| | 98401 | ATTCGGGGCT | GCCTGCGGCT | CGTCGACGGC | GTCGGCGGTA | TTGACCAGTT | TTGCGAGGAG |
| | 98461 | CCCGCCCTTC | GCATATGCTA | CTATCCCCGC | AGTCCCCGGG | GCTTTGTTCA | GTTTGTAAC |
| 55 | 98521 | TCGACCCGCA | ACGCGCTGGG | GCTGCCGTGA | GGCGCGTGTA | CTGCGGTC | TCTCGTCTCC |
| | 98581 | TCTTCTCCCC | TTCCCTCCCC | CTCCGCATCC | CAGGATCACA | CCGGTCAA | AGGGTTGGGG |
| | 98641 | GGGTCCGGCA | CGGACCCAAA | ATAATAAACA | CACATCACAG | TGCGATAAAA | AGAACACGCG |
| | 98701 | GTCCCTGTG | GTGTTTTTGG | TTATTTTAT | TAAATCTCGT | CGACAAACAG | GGGGAAAGGG |
| | 98761 | GCGTGGTCTA | GCGACGGCAG | CACGGGCGGA | GCGTTCACC | GGCTCCGGCG | TCCTTCGCGT |

| | | | | | | | |
|----|--------|------------|------------|-------------|-------------|------------|-------------|
| | 98821 | TTAAGCTTGG | TCAGGAGGGC | GCTCAGGGCG | GCGACGTTGG | TCGGGCCGTC | GT'TGGTCAGG |
| | 98881 | GCGTTGGCTC | GATGGCGGGC | GAGGACGGGC | GAGGGGCTCA | ACGGCGGGGG | CGGGGGCCCCG |
| | 98941 | GTGCGGCCCG | GGGGGGAAAA | TAGGGCGGAT | CCCCCCCAGT | CGTACAGGGG | ATTTTCCGCC |
| 5 | 99001 | TCAATGTACG | GGGAGGCCGG | CGCTGCATTC | GCCGTGTTCA | CGCAGACGTT | TT'CGTAGACC |
| | 99061 | CGCATCCATG | GTATTTCTCT | GTAGACACGC | CCCCCGTCCT | CGCTCACCGT | CT'CGTATATT |
| | 99121 | GACTCGTCGT | CCTCGTAGGG | GGCGTGCCGT | TCGCGGGCCG | AGGCGGCGTG | GGTGGCTTTG |
| | 99181 | CGGCGGGCGT | CGTCGTCTGC | GTCGTGCGGC | GT'GAGATACG | TGGCTTCCAT | CTGGTCGGGT |
| | 99241 | TCTCCCTCCG | GGGCGGGTCC | CCACACCCGT | GGCCGATCGA | GGCTCCCCAG | AGACCGCGCG |
| | 99301 | CGGACGAGGA | GGGGGCACGT | CGCCGCCGGC | GGTCGCCTGT | CGGGTCCCCG | GACGTTACGG |
| 10 | 99361 | GCCGGGAGGC | GCGGGGGCAC | CTCCCCCATG | TGCGTGTAAT | ACGTGGCCGG | CTGTGTGGCC |
| | 99421 | GCAGCGGGGG | GCTCGGCGAC | CGGGTCGTTT | GCATCCGGAA | GCGGGGGCCC | CGCGCCGTCC |
| | 99481 | GCGCGGCGCC | TCCGGAACCT | CCGGGTGGAC | GCGGGGGTCG | AGTGTAGGCG | AGGTGCGGGG |
| | 99541 | AGGGGCGGGG | GCTCGTTGTC | GCGCCGCGCC | CGCTGAATCT | TTTCCCCACA | GG'TCCCCACC |
| | 99601 | CCCGCGCGAT | GGCCCCCCGG | GCCGCTGGCC | ATGTCGTCCG | GGGGAGGCC | CGCGGACCAC |
| 15 | 99661 | GTCGTCCGGC | GAGACGCCAC | GAGCCGAGG | ATGGACTCGT | AGTGGAGCGA | CGGCGCCCCG |
| | 99721 | TTGCGGAGCA | GATCCGCGGC | CAGGGCGGCG | CCGAACCAAG | CCTTGATGCT | CAACTCCATC |
| | 99781 | CGGGCCCAGC | TGGGGGCGGT | CATCGTGGGG | AACAGGGGGG | CGGTGGTCCG | ACAGAAACGC |
| | 99841 | TCCTGGCTGT | CCACCGCGGC | CCGCAGATAC | TCGTTGT'TCA | GGCTGTGCGT | GGCCCAGACG |
| | 99901 | CCGTACCCGG | TGAGGGTCGC | GTTGATGATA | TACTGGGCGT | GGTGATGGAC | GAT'CGACAGA |
| 20 | 99961 | ACCTCCACCG | TGGATACGAC | GGTATCCACG | GTCCCGTACG | TACCGCCGCT | CCGCTTGCCG |
| | 100021 | GTCTGCCACA | GGTTGGCTAG | GCGCGTCAGG | TGGCCCAGGA | CGTCGCTGAC | CGCCGCCCTG |
| | 100081 | AGCGCCATGC | ACTGCATGGA | GCCGCTCGTG | CCGCTGGGAC | CCCGGTCCAG | ATGGCGCGCG |
| | 100141 | AACGTTTCCG | CGGGCGCCTC | CGGGCTGCCG | CCGAGCGGGA | GGAACCGGCG | AT'TGGAGGGA |
| | 100201 | CTCAGCCGGT | GACATACGTG | CTTGTCCTGC | GTCCACAGCA | TCCAGGACGC | CCACCCGGTAC |
| 25 | 100261 | AGCAGCGAGA | CGTAGGCCAG | GAGCTCGTTG | AGCCGCAAGT | CGGTGTCGGT | GC'TGGGCGCG |
| | 100321 | CTTGGGTCCG | CCGGGCGCAT | AAAGAACATG | TACTGCTGAA | TCCGATGGAG | GGCGTCGCGC |
| | 100381 | AGGCCGGCCA | CGGTGGCGGC | GTACTTGGCC | GCCACGGCCC | CGCTCTTGAA | CGGGGTGCGC |
| | 100441 | GCCAGCAGCT | TTGGCGCCAG | GGTGGGCCGC | AGCAGCACGT | GAAGGCTGGG | GT'CGCAGTCG |
| | 100501 | CCCACGGGGT | CCTCGGGGAC | GTCCAGGCCG | CTGGGCACCA | CCGTCTGCAG | GTACTTCCAG |
| 30 | 100561 | TACTGCGTGA | GGATGGCGCG | GCTCAACTGG | CCGCCGGGCA | GCTCCACCTC | GC'CCAGCGCC |
| | 100621 | TGGGTGGCGG | CCGAAGCGTA | GTGCCGGATG | TACTCGTAGT | GCGGGTCGCT | GGCGAGCCCC |
| | 100681 | TCCACGATCA | AACTCTCGGG | AACCGTGT'TG | TGTTGCCGCG | CGGCCAACCG | GACGCTGCGA |
| | 100741 | TCGGTGCAGG | TCAGAAACGC | CGGCTGCGCG | TCGTGCGAGC | GCTGCCGCAA | GGCGCCCCAC |
| | 100801 | GCCGCGCTAA | GGAGCCCCCT | CGGGGTGGGG | AGCAGACACC | CGCCGAAGAT | CGCCCGCTCG |
| 35 | 100861 | GGAACGCCCC | CGTTGTGCGC | CCGGATCAGG | TTGGCAGGCG | TCAGGCACCG | CGCCAGCCGC |
| | 100921 | AGGGAGCTCG | CGCCGCGCGT | CCGGCGCTGC | ATGGTGACGC | CCGTTGCGTC | GGGACCCGCC |
| | 100981 | GGTCGGAGTT | ATGCCGCGTC | CAGGGCCATC | GGGGCGCTTT | TTATCGGGAG | GAGCTTATGG |
| | 101041 | GCGTGGCGGG | CCTCCAGACC | CGGTGCGCGC | CCTCCCCGAC | ACGTGCGCCC | GCAGGGCGGC |
| | 101101 | GGCCCCCTCG | TCTCCCATCA | GCAGTTTCCT | AAACTGGGAC | ATGATGTCCA | CCACGCGGAC |
| 40 | 101161 | CCGCGGGCCC | AACACGGACC | CGCCGCTTAC | GGGGGCGGGG | GGGAAGGGCT | CCAGGTCCCTT |
| | 101221 | GAGAAGAAAG | GCGGGGTCTG | CCGTCCCAGG | CACGGGGGCC | CGGGGCGCTG | AGGAGGCGGG |
| | 101281 | GCGCAGATCC | ACGTGCTCCG | CGGCCGCGCG | GACGTCCGCC | CAGAACTTGG | CGGGGGTGGT |
| | 101341 | GCGCGCGTAC | AGGGGCTGGG | TCGCTCGGAG | GACGCACGCG | TAGCGCAGGG | GGGTGTACGT |
| | 101401 | GCCCACCTCG | GGGGCCGTGA | ATCCCCCGTC | AAACGCGGCC | AGTGTACAGC | AGGCCACCAC |
| 45 | 101461 | GGTGTGCGCA | AAGCCCAGCA | GCCGCTGCAG | GACGAGCCCG | GCGGCCAGAA | TGGCGCGCGT |
| | 101521 | GGCCGCCGCG | TCGTCCCAGG | GCCGGTGCAG | GTCCCCGCAC | GCCCCGGCGT | ACTTTAAGGT |
| | 101581 | CACGGTCGCC | AGGGCCGTGT | GCAGCGCGTA | CACCGCAGCG | CCCAGCACGG | CGTTGAGCCC |
| | 101641 | GCTGTTGGCG | AGCAGCCGGC | GCGCTGCGGT | GTGCGCCAGC | GCCTCGTGCT | CGCCCCCCAC |
| | 101701 | GACCGCGGGG | CTTCCCAGGG | GCAGGGCGCG | AAACAGCTCC | TCCCGCGCCA | CG'TCCGCAAA |
| 50 | 101761 | GGCGGGGTGG | TGCACGTGCG | GGTGCAGGCG | CGCCCCACG | ACCACCGAGA | GC'ACTGGAC |
| | 101821 | CGTCTGCTCC | GCCATCACCG | CCAGCACATC | CAGCACGCGC | CCCAGGAAGG | CGGCCTCCCG |
| | 101881 | CGTCAAAACG | CACCGGACGG | CGTCGGGATT | GAGCGGGCGG | AGCAGGGCCC | CGGTGGCCAG |
| | 101941 | GTACGTCATG | CGGCCGGCAT | AGCGGGCGGC | CACGCGACAG | TCGCGGTCCA | GCAGCGCGCG |
| | 102001 | CACCCCGGGC | CAGTACAGCA | GGGACCCAG | CGAGCTGCGG | AACACCGCGG | CGTCGGGGCC |
| 55 | 102061 | GGATTGGGGG | GACACTAACC | CCCCCGCGCT | CAGTAACGGC | ACGGCCGCGG | CCCCGACGGG |
| | 102121 | ACGCAACGCC | GTGAGGCTCG | CGAACTGCCG | CCTCAGCTCG | GCCGCCCTGT | CGTCCAGGTC |
| | 102181 | AGACCCGCGC | GCCTCCGCGT | GAAGGCGCGT | CCCGCACACC | CACCCGTTGA | TGGCCAGCCG |
| | 102241 | CACGACGGCA | TCCGCCAAAA | AGCTCATCGC | CTGGGCGGGG | CTGGTTTTTT | TT'CGACGATC |
| | 102301 | CGTCAGGTCA | AGAATCCCAT | CGCCCGTGAT | ATACCAGGCC | AACGCCTCGC | CTTGCTGCAG |

| | | | | | | | |
|----|--------|------------|------------|-------------|------------|------------|-------------|
| | 102361 | GGTTTGGCGG | AAAAACACCG | CGGGGTTGTC | GGGGGAGGCG | AAGTGCATGA | CCCCACGCG |
| | 102421 | CGATAACCCG | AACGCGCTAT | CCGGACACGG | GTAAAACCCG | GCCGGATGCC | CCAGGGCTAG |
| | 102481 | GGCGGAGCGC | ACGGACTCGT | CCCACACGCG | AACCTGAGGG | GCCAGTCGAT | CCAACGGGAA |
| | 102541 | TGCCGCCCGG | AGCTCCGGGC | CCGGCACGCG | TCCCTCCAGA | ACCTCCACCT | TGGGCGGGGA |
| 5 | 102601 | ACGGGCCCCG | CCGCCGTCTT | CCGGCCCGAC | GGCTTCCGGG | TAGTCGTCTT | CCTCGTACTG |
| | 102661 | CAGCTCCTCT | AGGAACAGCG | GCGACGGCGC | CACCCGCGAA | CCGCCGACCC | GCCCCAAAAT |
| | 102721 | AGCCCGCGCG | TCGACGGGAC | CCAGGTATCC | CCCCTGCCGG | GCCTGCGGAG | GACCGCGGGG |
| | 102781 | AACCTCATCA | TCATCGTCCA | GGCGACCGCG | CACCGACTGG | CTACGGGCCG | CATCGGGCC C |
| | 102841 | GGGGCGCTGC | CGGGACGCTC | GGCGATGGGA | TGTGGGCGGG | GCTTCCGACG | CGCGCCGTCG |
| 0 | 102901 | TCGGGCTCGC | GGGCCTTCCC | GTGACGGCGG | CACGGGCGGC | TCGTGCGCCG | CCATCTCCT C |
| | 102961 | CAGAGCCTCT | AGCTCGCTGT | CGTCATCCCC | GCGGAACACC | GCACGCAGGT | ACCCCATGA A |
| | 103021 | CCCCACCCCA | TCGCCCCTCG | GCTCGTCCGC | CACGGGCGAG | GCGCGGGGGC | GGGTGGATG C |
| | 103081 | GCGCCTCCTG | CGCCCCCGCG | GTTCCGCGAG | CGACATGGTG | GCGATAGACG | CGGGTTATCG |
| | 103141 | GATGTCCTGT | ACCCCCCAAA | AAAGAAAAAG | ACCCACACAG | GCGGATGGAG | CCGGGGGTAG |
| 5 | 103201 | GTGCCGCCGG | ACCCCTTCGC | GATGGGAATG | GACGGGAGCG | ACGGGGCCGG | CGCAAAAAA A |
| | 103261 | CGCAGTATCT | CCCGCGAAGG | CTACCCGCCG | CCCCAGCCCC | CGGCCAAATG | CGGAAACGG T |
| | 103321 | CCCGCGCTCT | CGCCTTTATA | CGCGGGCCGC | CCTGCGACAC | AATCACCCGT | CCGTGGTTT C |
| | 103381 | GAATCTACAC | GACAGGCCCG | CAGACGCGGC | TAACACACAC | GCCGGCAACC | CAGACCCCA G |
| | 103441 | TGGGTGGGTT | GCGCGGTCCC | GTCTCCTGG C | TAGTTCCTTT | CCCCACCACC | AAATAATCA G |
| 0 | 103501 | ACGACAACCG | CAGGTTTTGT | AATGTATGTG | CTCGTGTTTA | TTGTGGATAC | GAACCGGTGA |
| | 103561 | CGGGAGGGGA | AAACCCAGAC | GGGGGATGCG | GGTCCGGTCG | CGCCCCCTAC | CCACCGTACT |
| | 103621 | CGTCAATTCC | AAGGGCATCG | GTAAACATC T | GCTCAAATCT | GAAGTCGGCC | ATATCCAGAG |
| | 103681 | CGCCGTAGGG | GCGGGAGTCG | TGGGGGGTAA | ATCCCGGCCC | CGGGGAATCC | CCGTCCCTCA |
| | 103741 | ACATGTCCAG | ATCGAAATCG | TCTAGCGCGT | CGGCATGCGC | CATCGCCACG | TCCTCGCCGT |
| 5 | 103801 | CTAAGTGGAG | CTCGTCCCCC | AGGCTGACA T | CGGTGCGGGG | GGCCGTGCGA | AGTCTGCGCG |
| | 103861 | TGTGTCCCGC | GGGGAGAAAG | GACAGGCGCG | GAGCCGCCAG | CCCCGCCTCT | TCGGGGGCGT |
| | 103921 | CGTCGTCCGG | GAGATCGAGC | AGGCCCTCGA | TGGTAGACCC | GTAATTGTTT | TTCGTACGCG |
| | 103981 | CGCGGTGTGA | CGCGTGTTC | CGCATGACCG | CTTCGGAGGG | CGAGGTCGTG | AAGCTGGAAT |
| | 104041 | ACGAGTCCAA | CTTCGCCCCG | ATCAACACCA | TAAAGTACCC | AGAGGCGCGG | GCCTGGTTGC |
| 0 | 104101 | CATGCAGGGT | GGGAGGGGTC | GTCAACGGCG | CCCCTGCTCT | CTCCGTAGCC | GCGCTGCGCA |
| | 104161 | CCAGCGGGAG | GTTAAGGTGC | TCGCGAATGT | GGTTTAGCTC | CCGCAGCCGG | CGGGCCTCGA |
| | 104221 | TTGGCATCTC | CCGGACGGTG | AGCGCTCCGT | TGACGAACAT | GAAGGGCTGG | AACGAGCCCG |
| | 104281 | CCAACTGACG | CCAGCTCTCC | AGGTGCGAAC | AGAGGCAGTC | AAACAGGTCT | GGCCGCATCA |
| | 104341 | TCTGCTCGGC | GTACGCGGCC | CATAGGATCT | CGCGGGTCAA | AAATAGATAC | AAATGCAAAA |
| 5 | 104401 | ACAAAACACG | CGCCAGACGA | GCGGTCTCTC | GGTAGTACCT | GTCCGCGATC | GTGGCGCGCA |
| | 104461 | GCATTTCTCC | CAGGTGCGCA | TCGCGTCCGC | GCATGTGCGC | CTGGCGGTGC | AGCTGCCGGA |
| | 104521 | CGCTGGCGCG | CAGGTACCGG | TACAGGGCCG | AGCAGAAGTT | GGCCAACACG | GTTTCGATAGC |
| | 104581 | TCTCCTCCCG | CGCCCCGTAG | TCGGCGTGG A | AGAAACGAGA | GAGCGCTTCG | TAGTAGAGCC |
| | 104641 | CGAGGCCGTC | GCGGGTGGCC | GGAAGCGTAG | GGAAGGCCAC | GTCGCCGTGG | GCGCGAATGT |
| 10 | 104701 | CGATTGGGGT | GCGTTCGGGG | ACGTACGCGT | CCCCCATTC | CACCACATCG | CTGGGCGAGC |
| | 104761 | TTGGCATGAA | TTTACACTCC | CGGTACAGGT | CGGCGTTGGT | CGGTAGCGCC | GAAAACAGAT |
| | 104821 | CCTCGTTCCA | GGTATCGAGC | ATGGTACATA | GCGCGGGGCC | CGCGCTAAAG | CCCAAGTCGT |
| | 104881 | CGAGGAGACG | GTTAAAGAGG | GCGGCGGGGG | GGACGGGCAT | GGGTGGGGAG | GGCATGAGCT |
| | 104941 | GGGCCTGGCT | CAGGCGCCCC | GTTGCGTACA | GCGGGGGGGC | CGCCGGGGTG | TTTTTGGGAC |
| 15 | 105001 | CCCCGGCCCG | GCGGGGGGGC | GGTGGCGAAG | CGCCGTCCGC | GTTTCATGTC | GCAAACAGCT |
| | 105061 | CGTCGACCAA | GAGGTCCATT | GGGTGGGGTT | GATACGGGAA | AGACGATATC | GGGCTTTTGA |
| | 105121 | TGCGATCGTC | CCCGCCCCGC | CAGAGAGTGT | GGGACGCCCC | ACGGCGCGGG | AAGAGAAAAC |
| | 105181 | CCCCAAACGC | GTTAGAGGAC | CGGACGGACG | TTATGGGGGG | AAGTGGGCGA | CGGGACACCC |
| | 105241 | GTCGGTTCCC | GAGGAATGAC | AGCCCGTGGT | CGCCACACAG | CATTTAAGCA | ACCCGACCGG |
| 50 | 105301 | GCCGCCCCGT | ACCTCGTGAC | TTCCCCCCAC | ATTGGCTCCT | GTCACGTGAA | GGCGAACCGA |
| | 105361 | GGGCGGCTGT | CCAACCCACC | CCCCGCCACC | CAGTCCCGGT | CCCCGTGCGA | TTGGGAAACA |
| | 105421 | AAGGCACGCA | ACGCCAACAC | CGAATGAACC | CCTGTTGGTG | CTTTATTGTC | TGGGTACGGA |
| | 105481 | AGTTTTCACT | CGACGGGCCG | TCTGGGGCGA | GAAGCGGAGC | GGGCTGGGGC | TCGAGGTCGC |
| | 105541 | TCGGTGGGGC | GCGACGCCGC | AGAACGCCCT | CGAGTCGCCG | TGGCCGCGTC | GACGTCCTGC |
| 55 | 105601 | ACCACGTCTG | GATTCACCAA | CTCGTTGGCG | CGCTGAAGCA | GGTTTTTGCC | CTCGCAGACC |
| | 105661 | GTCACGCGGA | TGGTGGTGAT | GCCAAGGAGT | TCGTTGAGGT | CTTCGTCTGT | GCGCGGACGC |
| | 105721 | GACATGTCCC | AGAGCTGGAC | CGCCGCCATC | CGGGCATGCA | TGGCCGCCAG | GCGCCCCACC |
| | 105781 | CGCGGTCAGA | AGACGCGCTT | GTTAAAGCCG | GCCACCCGGG | GGTCCCATGG | GCGCTCGGGG |
| | 105841 | TTTGGGGGGG | CGGTGCTAAA | GTGCAGCTTT | CTGGCCAGCC | CCTGCGCGGG | TGTCTTGGAT |

| | | | | | | | |
|----|--------|------------|------------|-------------|------------|------------|------------|
| | 105901 | CGGGTTGGCG | CCGTCGACGC | GGGGGCGTCT | GGGAGTGCGG | CGGATTCTGG | CTGGGCCGAT |
| | 105961 | TTCCTGCCGC | GGGTGGTCTC | CGCCGCCCGG | GCCGCGGGGG | CCTTAGTTCG | CACCCGCTGG |
| | 106021 | GTTCGGGGGG | CCCGGGGGGG | GGTGGTGGGT | GTGCGTCCGG | CCCCTCCGGA | CCCAGCGGGT |
| 5 | 106081 | GGCGGAGGCG | CCCGCGCAGG | CCCCGGGCCG | GACAAAACCG | CCCCGGAAAC | GGGACGCCGC |
| | 106141 | GTCCGGGGGA | CCTCCGGGTG | TTCGTCTGCT | TCGGATGACG | AGCCCCCGTA | GAGGGCATAA |
| | 106201 | TCCGACTCGT | CGTACTGGAC | GAAACGGACC | TCGCCCCCTC | GGCGCGAGCG | TGCTGTAGG |
| | 106261 | GCGCCACGGC | GGGAGGTGTC | AGGCGGACTA | TCGGGACTCG | CCATACCTGA | AGACGGGGTG |
| | 106321 | TAGTACAGAT | CCTCGTACTC | ATCGCGCGGA | ACCTCCCGCG | GACCCGACTT | CACGGAGCGG |
| | 106381 | CGAGAGGTCA | TGGTTCACG | AACACGCTAG | GGTCGGATGC | GCGGACAATT | AGGCCTGGGT |
| 10 | 106441 | TCGGACGGCG | GGGGTGGTGC | AGGTGTGGAG | AGGTCGAGCG | ATAGGGGCGG | CCCGGGAGAG |
| | 106501 | AAGAGAGGGT | CCGCAAAACC | CACTGGGGAT | GCGTGAGTGG | CCCTCTGTGG | GCGGTGGGGG |
| | 106561 | AGAGTCTTAT | AGGAAGTGCA | TATAACCACA | ACCCATGGGT | CTAACCAATC | CCCAGGGGCC |
| | 106621 | AAGAAACAGA | CACGCCCCAA | ACGGTCTCGG | TTTCCGCGAG | GAAGGGGAAG | TCCTGGGACA |
| | 106681 | CCCTCCACCC | CCACCCCTCA | CCCCACACAG | GGCGGGTTCA | GGCGTGCCCG | GCAGCCAGTA |
| 15 | 106741 | GCCTCTGGCA | GATCTGACAG | ACGTGTGCGA | TAATACACAC | GCCCATCGAG | GCCATGCCTA |
| | 106801 | CATAAAAGGG | CACCAGGGCC | CCCGGGGCAG | ACATTTGGCC | AGTGTTTTGG | GTCTCGCACC |
| | 106861 | GCGCGCCCCC | GATCCCATCG | CGCCCGCCCT | CCTCGCCGGG | CGGCTCCCCG | CGCGGGCCCC |
| | 106921 | CGTCTCCCGC | CGCTAAGGCG | ACGAGCAAGA | CAAACAACAG | GCCCGCCCGA | CAGACCCTTC |
| | 106981 | TGGGGGGGGC | CATCGTCCCT | AACAGGAAGA | TGAGTCAGTG | GGGATCCGGG | GCGATCCTTG |
| 20 | 107041 | TCCAGCCGGA | CAGCTTGGGT | CGGGGGTACG | ATGGCGACTG | GCACACGGCC | GTGCTACTCT |
| | 107101 | GCGGGGGCGG | AGTCGTGCAA | CTGAACCTGG | TCAACAGGCG | CGCGGTGGCT | TTTATGCCGA |
| | 107161 | AGGTTAGCGG | GGACTCCGGA | TGGGCCGTCT | GGCGCGTCTC | TCTGGACCTG | CGAATGGCTA |
| | 107221 | TGCGGGCTGA | CTTTTGCGCG | ATTATTACAG | CCCCCGCGCT | AGCCAGCCCC | GGGCACCACG |
| | 107281 | TAATACTGGG | TCTTATCGAC | TCGGGGTACC | GCGGAACCGT | TATGGCCGTG | TATGCTAGCG |
| 25 | 107341 | CTAAAAGGAC | CGGGGAATTT | GCCCCCGGGA | CCCTGCGGGT | CGACTGACG | TTCCTGGACA |
| | 107401 | TCCTGGCGAC | CCCCCCGGCC | CTCACCAGAG | CGATTTCCCT | GCGGCAGTTC | CCGCAACTGG |
| | 107461 | CGCCCCCCCC | TCCAACCGGG | GCCGGGATAC | GCGAAGATCC | TTGGTTGGAG | GGGGCGCTCG |
| | 107521 | GGGCCCCAAG | CGTGACTACG | GCCCTACCGG | CGCGACGCGG | AGGGCGGTCC | CTCGTCTATG |
| | 107581 | CCGGCGAGCT | GACGCCGGTT | CAGACGGAAC | ACGGGGACGG | CGTACGAGAA | GCCATCGCCT |
| 30 | 107641 | TCCTTCCAAA | ACGCGAGGAG | GATGCCGGTT | TCGACATTGT | CGTCCGTTCG | CCGGTCACCG |
| | 107701 | TCCCGGCAAA | CGGCACCACG | GTGCTGCAGC | CATCCCTCCG | CATGCTCCAC | GCGGACGCCG |
| | 107761 | GGCCCGCGCG | CTGCTATGTG | TTGGGGCGGT | CGTCGCTCAA | CGCCCGCGGC | CTCCTGGTCT |
| | 107821 | TTCTTACGCG | CTGGCTCCCC | GGGCACGTAT | GTGCGTTTGT | TGTTTACAAC | CTTACGGGGG |
| | 107881 | TTCCTGTGAC | CCTCGAGGCC | GGCGCCAAGG | TCGCCCAGCT | CCTGGTTGCG | GGGGCGGACG |
| 35 | 107941 | CTCTTCCTTG | GATCCCCCCG | GACAAC'TTTC | ACGGGACCAA | AGCGCTTCGA | AACTACCCCA |
| | 108001 | GGGGTGTTC | GGACTCAACC | GCCGAACCCA | GGAACCCGCC | GCTCCTGGTG | TTTACGAACG |
| | 108061 | AGTTTGACGC | GGAGGCCCCC | CCGAGCGAGC | GCGGGACCGG | GGGTTTTGGT | TCTACCGGTA |
| | 108121 | TTTAGCCAC | AGCTTTGGGT | TCGTTCCGGG | CAATAAAAAA | CGTTTGTATC | GCATCTTTCC |
| | 108181 | TGTGTGTAGT | TGTTTATGTT | GGATGCCTGT | GGGTCTATCA | CACCCGCCCC | TCCATCCAC |
| 40 | 108241 | AAACACAAAA | CACACGGGTT | GGATGAAAAC | ACGCATTTAT | TGACCCAAAA | CACACGGAGC |
| | 108301 | TGCTCGAGAT | GGGCCAGGGC | GAGGTGCGGT | TGGGGAGGCT | GTAGGTCTGG | GAACGGACAC |
| | 108361 | CGGGGACAC | GATTCCGGTT | TGGGGTCCGG | GAGGGCGTCG | CCGTTTCGGG | CGGCAGGCGC |
| | 108421 | CAGCGTAACC | TCCGGGGGCG | GCGTGTGGGG | GTGCCCCAAG | GAGGGCGCCT | GGGTCAACCC |
| | 108481 | AATCCCCCCC | GACCGGGTTC | CCCCGGCAAC | CCCGAAGGCG | GAGAGGCCAA | GGGCCCGTTC |
| 45 | 108541 | GGCGATGGCC | ACATCCTCCA | TGACCACGTC | ACTCTCGGCC | ATGCTCCGAA | TAGCCTGGGA |
| | 108601 | GACGAGCACA | TCCGCGGACT | TGTCAGCCGC | CCCCACGGAC | ATGTACATCT | GCAGGATGGT |
| | 108661 | GGCCATACAC | GTGTCCGCCA | GGCGCCGCAT | CTTGTCCTGA | TGGGCCGCCA | CGGCCCCGTC |
| | 108721 | GATCGTGGGG | GCCTCGAACC | CGGGGTGGTG | GCGCGCCAGT | CGTTCTAGGT | TCACCATGCA |
| | 108781 | GGCGTGGTAC | GTGCGGGCCA | AGGCGCGGGC | CTTACGAGAG | CGTCGGGTGT | CGTCCAGGGA |
| 50 | 108841 | CCCCAGGGCG | TCATCGAGCG | TGATCGGGGC | GGGAAGTAGC | GCGTTAACGA | CCCGCAGGGC |
| | 108901 | CTCCTGCAGC | CGCGGCTCCG | CCTCCGAGGG | CGGAACGGCC | GCGCGGATCA | TCTCATATTG |
| | 108961 | TTCCTCGGGG | CGCGCTCCCC | AGCCACATAT | AGCCCCGAGA | AGAGAAGCCA | TCGCGGGCGG |
| | 109021 | GTAAGTGGCC | TTGGGCGCGC | GGACGCAATG | GGGCAGGAAG | ACGGGAACCG | CGGGGAGAGG |
| | 109081 | CGGGCGGCCG | GGACTCCCGT | GGAGGTGACC | GCGCTTTATG | CGACCGACGG | GTGCGTTATT |
| 55 | 109141 | ACCTCTTCGA | TCGCCCTCCT | CACAACTCT | CTACTGGGGG | CCGAGCCGGT | TTATATATTC |
| | 109201 | AGCTACGACG | CATACACGCA | CGATGGCCGT | GCCGACGGGC | CCACGGAGCA | AGACAGGTTT |
| | 109261 | GAAGAGAGTC | GGGCGCTCTA | CCAAGCGTCG | GGCGGGCTAA | ATGGCGACTC | CTTCCGAGTA |
| | 109321 | ACCTTTTGTG | TATTGGGGAC | GGAAGTGGGT | GGGACCCACC | AGGCCCGCGG | GCGAACCCGA |
| | 109381 | CCCATGTTTC | TCTGTCGCTT | CGAGCGAGCG | GACGACGTCG | CCGCGCTACA | GGACGCCCTG |

| | | | | | | | |
|----|--------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 109441 | GCGCACGGGA | CCCCGCTACA | ACCGGACCAC | ATCGCCGCCA | CCCTGGACGC | GGAGGCCACG |
| | 109501 | TTCGCGCTGC | ATGCGAACAT | GATCCTGGCT | CTCACCCTGG | CCATCAACAA | CGCCAGCCCC |
| | 109561 | CGCACCGGAC | GCGACGCCGC | CGCGGCGCAG | TATGATCAGG | GCGCGTCCCT | ACGCTCGCTC |
| 5 | 109621 | GTGGGGCGCA | CGTCCC'TGGG | ACAACGCGGC | CTTACCACGC | TATACGTCCA | CCACGAGGTG |
| | 109681 | CGCGTGCTTG | CCGCGTACCG | CAGGGCGTAT | TATGGAAAGCG | CGCAGAGTCC | CTTCTGGTTT |
| | 109741 | CTTAGCAAAAT | TCGGGCCGGA | CGAAAAAAGC | CTGGTGCTCA | CCACTCGGTA | CTACCTGCTT |
| | 109801 | CAGGCCAGC | GTCTGGGGGG | CGCGGGGGCC | ACGTACGACC | TGCAGGCCAT | CAAGGACATC |
| | 109861 | TGCGCCACCT | ACGCGATTCC | CCACGCCCCC | CGCCCCGACA | CCGTACGCGC | TGCGTCCCTG |
| 10 | 109921 | ACCTCGTTTG | CCGCCATCAC | GCGGT'TCTGT | TGCACGAGCC | AGTACGCCCC | CGGGGCCGCG |
| | 109981 | GCGGCCGGGT | T'TCCGCTTTA | CGTGGAGCGC | CGTATTGCGG | CCGACGTCCG | CGAGACCAGT |
| | 110041 | GCGCTGGAGA | AGTTCATAAC | CCACGATCGC | AGTTGCCTGC | GCGTGTCCGA | CCGTGAATTC |
| | 110101 | ATTACGTACA | TCTACCTGGC | CCATTTT'GAG | TGTTT'AGCC | CCCCGCGCCT | AGCCACG'CAT |
| | 110161 | CTTCCGGCCG | TGACGACCCA | CGACCCCAAC | CCCGCGGCCA | GCACGGAGCA | GCCCTCGCCC |
| 15 | 110221 | CTGGGCAGGG | AGGCCGTGGA | ACAATTTT'TT | TGTCACGTGC | GCGCCCAACT | GAATATCGGG |
| | 110281 | GAGTACGTCA | AACACAACGT | GACCCCCCGG | GAGACCCTCC | TGGATGGCGA | TACGGCCAAG |
| | 110341 | GCCTACCTGC | GCGCTCGCAC | GTACGCGCCC | GGGGCCCTGA | CGCCCGCCCC | CGCGTATTGC |
| | 110401 | GGGGCCGTGG | ACTCCGCCAC | CAAAATGATG | GGGCGT'TTGG | CGGACGCCGA | AAAGCTCCTG |
| | 110461 | GTCCCCCGCG | GGTGGCCCGC | GTTT'GCGCCC | GCCAGTCCCG | GGGAGGACAC | GGCGGGCGGC |
| 20 | 110521 | ACGCCGCCCC | CACAGACCTG | CGGAATTGTC | AAGCGCCTCC | TGAGACTGGC | CGCCACGGAA |
| | 110581 | CAGCAGGGCC | CCACACCCCC | GGCGATCGCG | GCGCTTATCC | GTAATGCGGC | GGTGCAGACT |
| | 110641 | CCCCTGCCCG | TCTACCGGAT | ATCCATGGTC | CCCACGCGAC | AGGCATTTGC | CGCGCTGGCC |
| | 110701 | TGGGACGACT | GGGCCCGCAT | AACGCGGGAC | GCTCGCCTGG | CCGAAGCGGT | CGTGTCCGCC |
| | 110761 | GAAGCGGCGG | CGCACCCCGA | CCACGGCGCG | CTGGGCAGGC | GGCTCACGGA | TCGCATCCCG |
| 25 | 110821 | GGCCAGGGCC | CCGTGATGCC | CCCTGGCGGC | CTGGATGCCG | GGGGGCGAGT | GTACGTGAAT |
| | 110881 | CGCAACGAGA | TATTCAACGG | CGCGCTGGCA | ATCACAAACA | TCATCCTGGA | TCTCGACATC |
| | 110941 | GCCCTGAAGG | AGCCCGTCCC | CTTTCGCCGG | CTCCACGAGG | CCCTGGGCCA | CTTTAGGCGC |
| | 111001 | GGGGCTCTGG | CTGCGGTTCA | GCTCCTGTTT | CCCGCGGCCC | GCGTGGACCC | CGACGCATAT |
| | 111061 | CCCTGTTATT | TTTTCAAAG | CGCATGTCGG | CCCGGCCCGG | CGTCCGTGGG | TTCCGGCAGC |
| 30 | 111121 | GGACTCGGCA | ACGACGACGA | CGGGGACTGG | TTTCCCT'GCT | ACGACGACGC | CGGTGATGAG |
| | 111181 | GAGTGGGCGG | AGGACCCGGG | CGCCATGGAC | ACATCCACAG | ATCCCCCGGA | CGACGAGGTT |
| | 111241 | GCCTACTTTG | ACCTGTGCCA | CGAAGTCGGC | CCCACGCGCG | AACCTCGCGA | AACGGATTTCG |
| | 111301 | CCCGTGTGTT | CCTGCACCGA | CAAGATCGGA | CTGCGGGTGT | GCATGCCCGT | CCCCGCCCCG |
| | 111361 | TACGTGCTCC | ACGGTTCTCT | AACGATCCGG | GGGGTGCCAC | GGGTACATCCA | CGAGGCGGTG |
| 35 | 111421 | CTGTTGGACC | GAGATTTTGT | GGAGGCCATC | GGGAGCTACG | TAAAAA'ACTT | CCTGTTGATC |
| | 111481 | GATACGGGGG | TGTACGCCCA | CGGCCACAGC | CTGCGCTTGC | CGTATTTTGC | CAAAATCGCC |
| | 111541 | CCCGACGGGC | CTGCGTGCGG | AAGGCTGCTG | CCAGTG'TTTG | TGATCCCCCC | CGCCTGCAAA |
| | 111601 | GACGTTCCGG | CGTTTGTGCG | CGCGCACGCC | GACCCGCGGC | GCTTCCATTT | TCACGCCCCG |
| | 111661 | CCCACCTATC | TCGCTTCCCC | CCGGGAGATC | CGTGTCTGTC | ACAGCCTGGG | TGGGGACTAT |
| 40 | 111721 | GTGAGCTTCT | TTGAAAGGAA | GGCGTCCCGC | AACGCGCTGG | AACACTTTGG | GCGACGCGAG |
| | 111781 | ACCCTGACGG | AGGTCTTGGG | TCGGTACAAC | GTACAGCCGG | ATGCGGGGGG | GACCGT'CGAG |
| | 111841 | GGGTTCGCAT | CGGA'ACTGCT | GGGGCGGATA | GTCGCGTGCA | TCGAAACCCA | CTTTC'CCGAA |
| | 111901 | CACGCCGGCG | AATATCAGGC | CGTATCCGTC | CGGCGGCGCG | TCAGTAAGGA | CGACTGGGTC |
| | 111961 | CTCCTACAGC | TAGTCCCCGT | TCCGCGGTACC | CTGCAGCAAA | GCCTGTCTGT | TCTCGAC'TTT |
| 45 | 112021 | AAGCACGGCC | GGGCGAGTCG | CGCCACGGCG | CGGACA'TTCG | TCGCGCTGAG | CGTCGGGGCC |
| | 112081 | AACAACCGCC | TGTGCGTGTC | CTTGTGTCAG | CAGTGC'TTTG | CCGCCAAATG | CGACAGCAAC |
| | 112141 | CGCCTGCACA | CGCTGTTTAC | CATTGACGCC | GGCAGCCCAT | GCTCGCCGTC | CGTTCCCTGC |
| | 112201 | AGCACCTCTC | AACCGTCGTC | TTGATAACGG | CGTACGCGCT | CGTGCTCGTG | TGGTACACCG |
| | 112261 | TCTTCGGTGC | CAGTCCGCTG | CACCGATGTA | TTTACGCGGT | ACGCCCCACC | GGCACCAACA |
| 50 | 112321 | ACGACACCGC | CCTCGTGTGG | ATGAAAATGA | ACCAGACCC'T | ATTGTTTCTG | GGGGCCCCGA |
| | 112381 | CGCACCCCCC | CAACGGGGGG | TGGCGCAACC | ACGCCC'ATAT | CTGCTACGCC | AATCTTATCG |
| | 112441 | CGGGTAGGGT | CGTGCCCTTC | CAGGTCCAC | CTGACGCCAT | GAATCGTCGG | ATCATGAACG |
| | 112501 | TCCACGAGGC | AGTTAACTGT | CTGGAGACCC | TATGGTACAC | ACGGGTGCGT | CTGGTGGTTCG |
| | 112561 | TAGGGTGGTT | CCTGTATCTG | GCGTTCGTGC | CCCTCCACCA | ACGCCGATGT | ATGTTTGGCG |
| 55 | 112621 | TCGTGAGTCC | CGCCACAAG | ATGGTGGCCC | CGGCCACCTA | CCTCTTGAAC | TACGCAGGCC |
| | 112681 | GCATCGTATC | GAGCGTGTTC | CTGCAGTACC | CCTACA'CGAA | AATTACCCGC | CTGCTCTGCG |
| | 112741 | AGCTGT'CGGT | CCAGCGGCAA | AACCTGGTTC | AGTTGT'TTGA | GACGGACCCG | GTCACCTTCT |
| | 112801 | TGTACCACCG | CCCCGCCATC | GGGGTCATCG | TAGGCTCGGA | GTTGATGCTA | CGCTTTGTGG |
| | 112861 | CCGTGGGTCT | CATCGTCGGC | ACCGCTTTCA | TATCCC'GGGG | GGCATGTGCG | ATCACATACC |
| | 112921 | CCCTGTTTCT | GACCATCACC | ACCTGGTGTG | TTGTCTCCAC | CATCGGCCTG | ACAGAGCTGT |

| | | | | | | | |
|----|--------|-------------|-------------|-------------|--------------|------------|------------|
| | 112981 | ATTGTATTCT | GCGGCGGGGC | CCGGCCCCCA | AGAACG CAGA | CAAGGCCGCC | GCCCCGGGGC |
| | 113041 | GATCCAAGGG | GCTGTCGGGC | GTCTGCGGGC | GCTGCT GTTC | CATCATCCTC | TCGGGCATCG |
| | 113101 | CAGTGC GATT | GTGTTATATC | GCCGTGGTGG | CCGGGG TG GT | GCTCGTGGCG | CTTCACTACG |
| 5 | 113161 | AGCAGGAGAT | CCAGAGGCGC | CTGTTTGATG | TATGAC GTCA | CATCCAGGCC | GGCGGAAACC |
| | 113221 | GTAACGGCAT | ATGCAAATTG | GAAACTGTCC | TGTCTTGGGG | CCCACCCACC | CGACGCGTCA |
| | 113281 | TATGCAAATG | AAAATCGGTC | CCCCGAGGCC | ACGTGTAGCC | TGGATCCCAA | CGACCCCGCC |
| | 113341 | CATCGGTCCC | AATTGGCCGT | CCC GTTACCA | AGACCA ACCC | AGCCAGCGTA | TCCACCCCGG |
| | 113401 | CCCGGGTCCC | CGCGGAAGCG | GAACGGGGTA | TGTGAT ATGC | TAATTAATAA | CATGCCACGT |
| | 113461 | ACTTATGGTG | TCTGATTGGT | CCTTGTCTGT | GCCGGAGGTG | GGGCGGGGGC | CCCGCCCGGG |
| 10 | 113521 | GGGCGGAACG | AGGAGGGGTT | TGGGAGAGCC | GGCCCCGGCA | CCACGGGTAT | AAGGACATCC |
| | 113581 | ACCACCCGGC | CGGTGGTGGT | GTGCAGCCGT | GTTCCA ACCA | CGGTACGCT | TCGGTGCCTC |
| | 113641 | TCCCCGATTG | GGGCCC GGTC | GCTCGCTACC | GGTGC G CAC | CACCAGAGGC | CATATCCGAC |
| | 113701 | ACCC CAGCCC | CGACGGCAGC | CGACAGCCCG | GTCATG GCGA | CTGACATTGA | TATGCTAATT |
| | 113761 | GACCTCGGCC | TGGACCTCTC | CGACAGCGAT | CTGGAC GAGG | ACCCCCCGGA | GCCGGCGGAG |
| 15 | 113821 | AGCCGCCCGC | ACGACCTGGA | ATCGGACAGC | AGCCGGG GAGT | GTTCTCTCGT | GGACGAGGAC |
| | 113881 | ATGGAAGACC | CCCACGGAGA | GGACGGACCG | GAGCCG ATAC | TCGACGCCGC | TCGCCCCGGC |
| | 113941 | GTCCGCCCGT | CTCGTCCAGA | AGACCCCGGC | GTACCC AGCA | CCCAGACGCC | TCGTCCGACG |
| | 114001 | GAGCGGCAGG | GCCCCAACGA | TCCTCAACCA | GCGCCCC CACA | GTGTGTGGTC | GCGCCTCGGG |
| | 114061 | GCCCCGGCGAC | CGTCTTGCTC | CCCCGAGCAG | CACGGG G GCA | AGGTGGCCCG | CCTCCAACCC |
| 20 | 114121 | CCACCGACCA | AAGCCCAGCC | TGCCCCGCGC | GGACGC CGTG | GGCGTCGCAG | GGGTGCGGGT |
| | 114181 | CGCGGTGGTC | CCGGGGCTGC | CGATGGTTTG | TCGGAC CCCC | GCCGGCGTGC | CCCCAGAACC |
| | 114241 | AATCGCAACC | CTGGGGGACC | CCGCCCCGGG | GCGGGG TGGA | CGGACGGCCC | CGGCGCCCCC |
| | 114301 | CATGGCGAGG | CGTGGCGCGG | CAGTGAGCAG | CCCGAC C CAC | CCGGAGGCCA | GCGGACACGG |
| | 114361 | GGCGTGCGCG | AAGCACCCCC | CCCGCTAATG | ACGCTG GCGA | TTGCCCCCCC | GCCCGCGGAC |
| 25 | 114421 | CCCCGCCGCC | CGGCCCGGGA | GCGAAAGGCG | CCCGCC G CCG | ACACCATCGA | GCCGACCACG |
| | 114481 | CGGTTGGTCC | TGCGCTCCAT | CTCCGAGCGC | GCGGCG GTCG | ACCGCATCAG | CGAGAGCTTT |
| | 114541 | GGCCGCAGCG | CACAGGTCAT | GCACGACCCC | TTTGGG GGGC | AGCCGTTTCC | CGCCGCGAAT |
| | 114601 | AGCCCC TGGG | CCCCGGTGCT | GGCGGGCCAA | GGAGGG C CCT | TTGACGCCGA | GACCAGACGG |
| | 114661 | GTCTCT TGGG | AAACCTTGGT | CGCCCACGGC | CCGAGC CTCT | ATCGCACTTT | TGCCGCGAAT |
| 30 | 114721 | CCTCGGGCCG | CATCGACCGC | CAAGGCCATG | CGCGAC TGCG | TGCTGCGCCA | AGAAAAATTT |
| | 114781 | ATCGAGGCGC | TGGCTTCCGC | CGACGAGACG | CTGGCG TG GT | GCAAGATGTG | CATCCACCAC |
| | 114841 | AACCTGCCGC | TGCGCCCCCA | GGACCCCATT | ATCGGG AC GA | CCGCGGCTGT | GCTGGATAAC |
| | 114901 | CTCGCCACGC | GCTTGC GGCC | CTTTCTCCAG | TGCTAC CTGA | AGGCGCGAGG | CCTGTGCGGC |
| | 114961 | CTGGACGAAC | TGTGTTTCGG | GCGGCGTCTG | GCGGAC ATTA | AGGACATTGC | ATCCTTCGTG |
| 35 | 115021 | TTTGT CATTC | TGGCCAGGCT | CGCCAACCGC | GTCGAG CGTG | GCGTCGCGGA | GATCGACTAC |
| | 115081 | GCGACCCTTG | GTGTGCGGGT | CGGAGAGAAG | ATGCAT TTCT | ACCTCCCCGG | GGCCTGCATG |
| | 115141 | GCGGGCCTGA | TCGAAATCCT | AGACACGCAC | CGCCAG GAGT | GTTGAGTTCG | TGTCTGCGAG |
| | 115201 | TTGACGGCCA | GTCACATCGT | CGCCCCCCCC | TACGTG CACG | GCAAATATTT | TTATTGCAAC |
| | 115261 | TCCCTGTTTT | AGGTACAATA | AAAACAAAAC | ATTTCA AAC A | AATCGCCCCC | CGTGTGTGTC |
| 40 | 115321 | TTCTTTGCTC | ATGGCCGGCG | GGGCGTGGGT | CACGGC AGAT | GGCGGGGGTG | GGCCCGGCGT |
| | 115381 | ACGGCCTGGG | TGGGCGGAGG | GAAC TAACCC | AACGTA TAAA | TCCGTCCCCG | TTCCAAGGCC |
| | 115441 | GGTGT CATAG | TGCCCTTAGG | AGCTTCCCGC | CCGGGC GCAT | CCCCCTTTT | GCACTATGAC |
| | 115501 | AGCGACCCCC | CTCACCAACC | TGTTCTTACG | GGCCCC GGAC | ATAACCCACG | TGGCCCCCCC |
| | 115561 | TTACTGCCTC | AACGCCACCT | GGCAGGCCGA | AACGGC CATG | CACACCAGCA | AAACGGACTC |
| 45 | 115621 | CGCTTGCGTG | GCCGTGCGGA | GTTACCTGGT | CCGCGC CTCC | TGTGAGACCA | GCGGCACAAT |
| | 115681 | CCACTGCTTT | TTCTTTGCGG | TATACAAGGA | CACCCA C CAC | ACCCCTCCGC | TGATTACCGA |
| | 115741 | GCTCCGCAAC | TTTGCGGACC | TGGTTAACCA | CCCGCC GGTG | CTACGCGAAC | TGGAGGATAA |
| | 115801 | GCGCGGGGTG | CGGCTGCGGT | GTGCGCGGCC | GTTTAG CGTC | GGGACGATTA | AGGACGTCTC |
| | 115861 | TGGGTCCGGC | GCGTCCTCGG | CGGGAGAGTA | CACGAT AAAC | GGGATCGTGT | ACCACTGCCA |
| 50 | 115921 | CTGTCGGTAT | CCGTTCTCAA | AAACATGCTG | GATGGG GGCC | TCCGCGGCCC | TACAGCACCT |
| | 115981 | GCGTCCATC | AGCTCCAGCG | GCATGGCCCG | CCGCGC GGCA | GAGCATCGAC | CGGTCAAGAT |
| | 116041 | TAAAAATTAAG | GCGTGATCTC | CAACCCCCCC | ATGAAT GTGT | GTAACCCCCC | CCAAAAAAAT |
| | 116101 | AAAGAGCCGT | AACCCAACCA | AACCAGGCGT | GGTGTG AGTT | TGTGGACCCA | AAGCCCTCAG |
| | 116161 | AGACAACGCG | ACAGGCCAGT | ATGGACCGTG | ATACTT TTAT | TTATTAACTC | ACAGGGGCGC |
| 55 | 116221 | TTACCGCCAC | AGGAATACCA | GAATAATGAC | CACCAC AATC | GCGACCACCC | CAAATACAGC |
| | 116281 | ATGGCGCCAC | ACCACGCCAC | AACAGCCCTG | TCGCCG GTAT | GGGGCATGAT | CAGACGAGCC |
| | 116341 | GCGCGCCGCG | CGTTGGGCCC | TGTACAGCTC | GCGCGA ATTG | ACCCTAGGAG | GCCGCCACGC |
| | 116401 | GCCCCGAGTTT | TGCGTTCGTC | GCTGGTCGTC | GGGCGC CAAA | GCCCCGGACG | GCTGTTCCGT |
| | 116461 | CGAACGAACG | GCCACGACAG | TGGCATAGGT | TGGGGG GTGG | TCCGACATAG | CCTCGGCGTA |

| | | | | | | | |
|----|--------|------------|-------------|-------------|------------|------------|-------------|
| | 116521 | CGTCGGGAGG | CCCGACAAGA | GGTCCCTTGT | GATGTCGGGT | GGGGCCACAA | GCCTGGTTTC |
| | 116581 | CGGAAGAAAC | AGGGGGGTTG | CCAATAACCC | GCCAGGGCCA | AAACTCCGGC | GCTGCGCACG |
| | 116641 | TCGTTCCGCG | CGGCGCCGGG | CGCGCCGAGC | GGCTCGCTGG | GCGGCTTGGC | GTGAGCGGCC |
| 5 | 116701 | CCGCTCCGAC | GCCTCGCCCT | CTCCGGAGGA | GGTTGGCGGA | ATTGGCACGG | ACAACAGGGG |
| | 116761 | CCCAGCAGAG | TACGGTGGAG | GTGGGTCCGT | GGGGGTGTCC | AGATCAATAA | CGACAAACGG |
| | 116821 | CCCCTCGTTC | CTACCAGACA | AGCTATCGTA | GGGGGGCGGG | GGATCAGCAA | ACGCGTTCCT |
| | 116881 | CGCGTCCAT | AAACCCGCGT | CGGGTTGCGC | CGCCTCCGAA | GCCATTGATG | CGCCCCAAAG |
| | 116941 | CCACGACTCC | CGCGCGCTAG | GTCCCTGGGG | TAATGGAAAA | GGCCCTACTC | CCCATCCAAG |
| 10 | 117001 | CCAGCCAAGT | TAACGGGCTA | CGCCTTCGGG | AATGGGACTG | GCACCCCGGC | GGATTTTGT |
| | 117061 | GGGCTGGCAT | GCGTCGCCCA | ACCGAGGGCC | GCGTCCACGG | GACGCGCCTT | TTATAACCCC |
| | 117121 | GGGGGTCATT | CCCAACGATC | ACATGCAATC | TAAGTGGCTC | CCCTCTCCCC | CCCTCTCCCC |
| | 117181 | TCTCCCCCCC | TCTCCCCCTC | CCCCCCTCT | CCCCTCTCCC | CCCCTCTCCC | CTCTCCCCCC |
| | 117241 | CTCTCCCCCT | TCCCCCCTC | TCCCCCTCT | CCCCCTCTCC | CCTCTCCCCC | CCTCTCCCCC |
| | 117301 | CTCCCCCCT | CTCCCCCTC | CCCCCCTCT | CCCTCTCCCC | TCTGCTCTTT | CCCCGTGACA |
| 15 | 117361 | CCCGACGCTG | GGGGCGTGCG | TGCCGGGAGG | GGCCGCGGAT | GGGCGGGCCT | ACTTGGTTTC |
| | 117421 | CCGCCCCCCC | CCCCCCCCC | CGAACCGCCC | CGCCGGCTTT | GCCCCCTTT | GATCCCTTGC |
| | 117481 | TACCCCCAAC | CCGTGCTGGT | GGTGCGGGTT | GGGGGGGGAT | GTGGGCGGGG | GTGCGCGGGA |
| | 117541 | GGTGTGCGTG | GTGGTGGTGG | TGGTGGTAGT | AGGAATGGTG | GTGAGGGGGG | GGGGGCGCTG |
| 20 | 117601 | GTTGGTCAAA | AAAGGGAGGG | ACGGGGGCCG | GCAGACCGAC | GGCGACAACG | CTCCCCGGCG |
| | 117661 | GCCGGGTGCG | GGCTCTTACG | AGCGGCCCGG | CCCGCGCTCC | CACCCCCCGG | GCCGTGTCTT |
| | 117721 | TGCTTTCCCC | CCGTCTCCCC | CCCCCCCCG | TTCTCCTCCT | CCTCCTCGTT | TTTCCAAACC |
| | 117781 | CCGCCACCC | GGCCCCGGCC | GGCCCCGGCC | GGCCCCGGCA | CCGCCGCCCA | CCCACCCACC |
| | 117841 | TCGGGATACC | CAGCCCCGGT | CCCCCGTTCC | CCGGGGGCGG | TTATCTCCAG | CGCCCCGTCC |
| | 117901 | GGCGCGCCGC | CCCCCGCCGC | TAAACCCCAT | CCCGCCCCCG | GGACCCCA | TATAAGCCCC |
| 25 | 117961 | CAGCCACACG | CAAGAACAGA | CACGCAGAAC | GGCTGTGTTT | ATTTAAATAA | ACCAATGTCT |
| | 118021 | GAATAAACAA | ACACAAACAC | CCGCGACGGG | GGACGAGAGG | GGACGAGAGG | AGGGGGTGAC |
| | 118081 | GGGGGACGGG | AACAGACACA | AAAAACAACCA | CAAAAAACAA | CCACCCACCG | ACACCCCCAC |
| | 118141 | CCCAGTCTCC | TCGCCTTCTC | CCACCCACCC | CACGCCCCCA | CTGAGCCCGG | TCGATCGACG |
| | 118201 | AGCACCCCCG | CCCACGCCCC | CGCCCTTGCC | CCGGCGACCC | CCGGCCCCGA | CGATCCCGAC |
| 30 | 118261 | AACATAACA | ACCCCAACGG | AAAGCGGCGG | GGTGTGGGGG | GAGGCGAGGA | ACAACCGAGG |
| | 118321 | GGAACGGGGG | ATGGAAGGAC | GGGAAGTGGA | AGTCCTGATA | CCCATCCTAC | ACCCCCCTGC |
| | 118381 | CTTCCACCT | CCGGCCCCCC | GCGAGTCCAC | CCGCCGGCCG | GCTACCGAGA | CCGAACACGG |
| | 118441 | CGGCCCGCGC | AGCCGCCGCA | GCCGCCGCCG | ACACCGCAGA | GCCGGCGCGC | GCACTCACAA |
| 35 | 118501 | GCGGCAGAGG | CAGAAAGGCC | CAGAGTCAAT | GTTTATGTGG | CCGCGGGCCA | CGAGACGACC |
| | 118561 | CGCGACACCC | CCCCCCCCG | CGTGCGGTA | TCCGGCCCCC | CGCCCCGCGC | CGGTCCATTA |
| | 118621 | AGGGCGCGCG | TGCCCGCGAG | ATATCAATCC | GTTAAGTGCT | CTGCAGACAG | GGGCACCGCG |
| | 118681 | CCCGGAAATC | CATTAGGCCG | CAGACGAGGA | AAATAAAATT | ACATCACCTA | CCCACGTGGT |
| | 118741 | GCTGTGGCCT | GTTTTTGCTG | CGTCATCTCA | GCCTTTATAA | AAGCGGGGGC | GCGGCCGTGC |
| | 118801 | CGATCGCGGG | TGGTGCAGAA | GACTTTCGGG | GCGCGTCCGG | GTGCCGCGGC | TCTCCGGGCC |
| 40 | 118861 | CCCCTGCAGC | CGGGGCGGCC | AAGGGGCGTC | GGCGACATCC | TCCCCCTAAG | CGCCGGCCCG |
| | 118921 | CCGCTGGTCT | GTTTTTTTCT | TTTCCCCGTT | TCGGGGGTGG | TGGGGGTGTC | GGTTTCTGTT |
| | 118981 | TCTTTAACCC | GTCTGGGGTG | TTTTTCGTTT | CGTCGCCGGA | ATGTTTCGTT | CGTCTGTCCC |
| | 119041 | CTCACGGGGC | GAAGGCCGCG | TACGGCCCGG | GACGAGGGGC | CCCCGACCCG | GGCGGTCCCG |
| 45 | 119101 | GCCCCGTCCG | GACCCGCTCG | CCGGCACGCG | ACGCGAAAAA | GGCCCCCGCG | AGGCTTTTTCC |
| | 119161 | GGGTTCCCGG | CCCGGGGCCCT | GAGATGAACA | CTCGGGGTTA | CCGCCAACGG | CCGGCCCCCG |
| | 119221 | TGGCGGCCCG | GCCCCGGGCC | CCGGCGGACC | CAAGGGGCCC | CGGCCCGGGG | CCCCACAACG |
| | 119281 | GCCCGGCGCA | TGCGCTGTGG | TTTTTTTTC | CTCGGTGTTC | TGCCGGGCTC | CATCGCCTTT |
| | 119341 | CCTGTTCTCG | CTTCTCCCCC | CCCCCTTCTT | CACCCCCAGT | ACCCTCCTCC | CTCCCTTCCT |
| | 119401 | CCCCCGTTAT | CCCACTCGTC | GAGGGCGCCC | CGGTGTCTGT | CAACAAAGAC | GCCGCGTTTC |
| 50 | 119461 | CAGGTAGGTT | AGACACCTCG | TTCTCCCCAA | TAGAGGGGGG | GGACCCAAAC | GACAGGGGGG |
| | 119521 | GCCCCAGAGG | CTAAGGTCCG | CCACGCCACT | CGCGGGTGGG | CTCGTGTAC | AGCACACCAG |
| | 119581 | CCCGTTCTTT | TCCCCCCTC | CCACCTTAG | TCAGACTCTG | TTACTTACCC | GTCCGACCAC |
| | 119641 | CAACTGCCCC | CTTATCTAAG | GGCCGGCTGG | AAGACCGCCA | GGGGGTGCGC | CGGTGTGCT |
| | 119701 | GTAACCCCCC | ACGCCAATGA | CCCACGTACT | CCAAGAAGGC | ATGTGTCCCA | CCCCGCTGT |
| 55 | 119761 | GTTTTTGTGC | CTGGCTCTCT | ATGCTTGGGT | CTTACTGCCT | GGGGGGGGGG | AGTGGGGGGG |
| | 119821 | AGGGGGGGTG | TGGAAGGAAA | TGCACGGCGC | GTGTGTACCC | CCCCTAAAGT | TGTTCCCTAAA |
| | 119881 | GCGAGGATAC | GGAGGAGTGG | CGGGTGCCGG | GGGACCGGGG | TGATCTCTGG | CACGCGGGGG |
| | 119941 | TGGGAAGGGT | CGGGGGAGGG | GGGGATGGAG | TACCGGCCCA | CCTGGCCCGG | CGGGTGCGCG |
| | 120001 | TGCCTTTGCA | CACCAACCCC | ACGTCCCCCG | GCGGTCTCTA | AGAAGCACCG | CCCCCCTCC |

| | | | | | | | |
|----|--------|------------|------------|------------|------------|-------------|------------|
| | 120061 | TTCATACCAC | CGAGCATGCC | TGGGTGTGGG | TTGGTAACCA | ACACGCCCAT | CCCCTCGTCT |
| | 120121 | CCTGTGATTC | TCTGGCTGCA | CCGCATTCTT | GTTTTCTAAC | TATGTTCTTG | TTTCTGTCTC |
| | 120181 | CCCCCCCCC | ACCCCTCCGC | CCCACCCCC | AACACCCACG | TCTGTGGTGT | GGCCGACCC |
| 5 | 120241 | CTTTTGGGCG | CCCGTCCCG | CCCGCCACC | CCTCCCATCC | TTTGTGCCC | TATAGTGTAG |
| | 120301 | TTAACCCCC | CCGCCCTTTG | TGGCGGCCAG | AGGCCAGGTC | AGTCCGGGCG | GGCAGGCGCT |
| | 120361 | CGCGGAAACT | TAACACCCAC | ACCCAACCCA | CTGTGGTTCT | GGCTCCATGC | CAGTGGCAGG |
| | 120421 | ATGCTTTCGG | GGATCGGTGG | TCAGGCAGCC | CGGGCCGCGG | CTCTGTGGTT | AACACCAGAG |
| | 120481 | CCTGCCCAAC | ATGGCACCCC | CACTCCCACG | CACCCCACT | CCCACGCACC | CCCACTCCCA |
| 10 | 120541 | CGCACCCCCA | CTCCACGCA | CCCCCACTCC | CACGCACCCC | CACTCCCACG | CACCCCACT |
| | 120601 | CCCACGCACC | CCCACTCCCA | CGCACCCCCA | CTCCACGCA | TCCCCGCGAT | ACATCCAACA |
| | 120661 | CAGACAGGGA | AAAGATACAA | AAGTAAACCT | TTATTTCCCA | ACAGACAGCA | AAAATCCCT |
| | 120721 | GAGTTTTTTT | TTATTAGGGC | CAACACAAAA | GACCCGCTGG | TGTGTGGTGC | CCGTGTCTTT |
| | 120781 | CACTTTTCCC | CTCCCCGACA | CGGATTGGCT | GGTGTAGTGG | GCGCGGCCAG | AGACCACCA |
| 15 | 120841 | GCGCCCGACC | CCCCCTCCC | CACAAACACG | GGGGGCGTCC | CTTATTGTTT | TCCCTCGTCC |
| | 120901 | CGGGTCGACG | CCCCCTGCTC | CCCGGACCAC | GGGTGCCGAG | ACCGCAGGCT | GCGGAAGTCC |
| | 120961 | AGGGCGCCCA | CTAGGGTGCC | CTGCTCGAAC | AGCATGTTCC | CCACGGGGGT | CATCCAGAGG |
| | 121021 | CTGTTCCACT | CCGACGCGGG | GGCCGTCCGG | TACTCGGGGG | GCATCACGTG | GTTACCCGCG |
| | 121081 | GTCTCGGGGA | GCAGGGTGCG | GCGGCTCCAG | CCGGGGACCG | CGGCCCGCAG | CCGGGTCGCC |
| 20 | 121141 | ATGTTTCCCG | TCTGGTCCAC | CAGGACCACG | TACGCCCCGA | TGTTCCCGT | CTCCATGTCC |
| | 121201 | AGGATGGGCA | GGCAGTCCCC | CGTGATAGTC | TTGTTACAGT | AAGGCGACAG | GGCGACCACG |
| | 121261 | CTAGAGACCC | CCGAGATGGG | CAGGTAGCGC | GTGAGGCCGC | CCGCGGGGAC | GGCCCCGAA |
| | 121321 | GTCTCCGCGT | GGCGCGTCTT | CCGGGCACAC | TTCTTCGGCC | CCCGCGGCC | AGAAGCAGCG |
| | 121381 | CGGGGGCCGA | GGGAGGTTTC | CTCTTGTTCT | CCTCCAGGG | CACCGACGGC | CCCGCCCAG |
| 25 | 121441 | GAGGCGGAAG | CGGAGGAGGA | CGCGGCCCGG | GCGGCGGAAG | AGGCGGCCCC | CGCGGGGGTC |
| | 121501 | GGGGCCGAGG | AGGAAGAGGC | AGAGGAGGAA | GAGGCGGAGG | CCGCCGAGGA | CGTCAGGGGG |
| | 121561 | GTCCCGGGCC | CACCTTGGCC | CGCCCCCCCC | GGCCCTGAGT | CGGAGGGGGG | GTGCGTCCGC |
| | 121621 | GCCCTCTTGG | CCCCTGCCGG | CGCGAGGGGG | GGACGCGTGG | ACTGGGGGGA | GGGGTTTTC |
| | 121681 | TGGCCCGACC | CGCGCCTCTT | CCTCGGACGC | ACCGCCGCCT | CCTGCTCGAC | AGAGGCGGCG |
| 30 | 121741 | GAGGGGAGCG | GGGCGGCGCC | GGAGGGGGCG | GCGCCGCGGG | AGGGCCCGTG | CCCACCTTC |
| | 121801 | ACGCCCGGCC | CCCCCGAGCC | GCGCGCCACC | GTGCGACGCG | CCCGGCACAG | ACTCTGTCT |
| | 121861 | TGGTTCGCGG | CCTGAGCCAG | GGACGAGTGC | GACTGGGGCA | CACGGCGCGC | GTCCGCGGG |
| | 121921 | CGGGCGGCCG | GCTCCGCCCC | GGGGGCCGGG | GCGCGGGGGC | CGGGCCCCGG | AGGCGGCGCT |
| | 121981 | CGCACGCACG | GGGCCACGGC | CGCGCGGGGG | GCGCGGGGTC | CCGACGCGGC | CGCGGACGCG |
| 35 | 122041 | GGGGGCCCGG | GGCGGGGGGC | GGAGCCTGGC | ATGGGCGCCG | CGGGGGCCCT | GTGGGGAGAG |
| | 122101 | GCCGGGGGGG | AGTCGCTGAT | CACTATGGGG | TCTCTGTTGT | TTGCAAGGGG | GGCGGGTCTG |
| | 122161 | TTGACAAGGG | GGCCCGTCCG | GCCCTCGGC | CGCCCCGCCT | CCGCTTCAAC | AACCCCAACC |
| | 122221 | CCAACCCCAA | CCCCCCCGGA | GGGGCCAGAC | GCCCCCGCG | GCGCCGCGGC | TCGCGACTGG |
| | 122281 | CGGGAGCCGC | CGCCGCCGCT | GCTGTTGGTG | GTGGTGTGG | TGTTACTGCT | GCCGTGTGGC |
| 40 | 122341 | CCGATGGGCG | CCGAGGGGGG | CGCTGTCCGA | GCCGCGGCCG | GCTGGGGGGC | TGCGTGAGAC |
| | 122401 | GCCCCGCCCG | TCACGGGGGG | CGCGGCGGGC | CCTCTGCGTG | GGGGGGCGCG | GGGCGTCCGG |
| | 122461 | CGGGGGGCGG | GCGGTACGTA | GTCTGCTGCA | AGAGACAACG | GGGGGCGCGA | TCAGGTTACG |
| | 122521 | CCCCCTCCCC | GGCCCGCCCT | TTCTCTCGCC | GCCCGCCTAT | TCCTCCCTCC | CCCCCTTC |
| | 122581 | TCCTCCTCCT | CCCCAGGGT | CCTTGCCGCC | CCCCGCCTCA | CCGCTGCTCA | GGTCGTCTGC |
| 45 | 122641 | ATCCTCGTCC | GTGGTGGGCT | CCGGGTGGGT | GGGCGACAGG | GCCCTCACC | TGTGCCCCCC |
| | 122701 | CAGGGTCAGG | TACCGCGGGG | CGAACCCTG | ATTGCCCGTC | CAGATAAAGT | CCACGGCCGT |
| | 122761 | GCCCGCCCTG | ACGGCCTCCT | CGGCCTCCAT | GCGGGTCTGG | GGGTCTGTTCA | CGATCGGGAT |
| | 122821 | GGTGCTGAAC | GACCCGCTGG | GCGTCACGCC | CACTATCAGG | TACACCAGCT | TGGCGTTGCA |
| | 122881 | CAGCGGGCAG | GTGTTGCGCA | ATTGCATCCA | GGTTTTCATG | CACGGGATGC | AGAAGCGGTG |
| 50 | 122941 | CATGCACGGG | AAGGTGTGCG | AGCGCAGGTG | GGGCGCGATC | TCATCCGTGC | ACACGGCCGA |
| | 123001 | CACGTCGCCC | TCGTGCTTCC | CCCCGTCTTC | TCGAGGGGGG | GCGCCCCCGC | AACTGCCGGG |
| | 123061 | GTCTTCTCTC | CGGGGGGGGC | TCCCCCCCCA | GACCCGCCCC | CCATCCACGC | CCTGCGGCC |
| | 123121 | CAGCAGCCCC | GTCTCGAACA | GTTCCGTGTC | CGTGCTGTCC | CGCTCGGAGG | CGGAGTCTGC |
| | 123181 | GTCATGGTGG | TCGGCGTCCC | CCCGCCCCCC | CACTTCGGTC | TCCGCTCAG | AGTCGCTGCT |
| 55 | 123241 | GTCCGGCAGG | TCTCGGTGCG | AGGGAAACAC | CCAGACATCC | GGGGCGGGCT | AAGGGGAAA |
| | 123301 | AAGGGGGGCG | GGTAAGAATG | GGGGGGGATT | TCCCGCGTCA | ATCAGCACCC | ACGAGTTCC |
| | 123361 | CCTCTCCCCC | CCCCGCCTCA | CAAAGTCCTG | CCCCCTGCT | GGCCTCGGAA | GAGGGGGGAG |
| | 123421 | AAAGGGGTCT | GCAACCAAAG | GTGGTCTGGG | TCCGTCTTT | GGATCCCGAC | CCCTCTCTT |
| | 123481 | CCCTCTCTC | CCGCCCTCCA | GACGCACCGG | AGTCGGGGGT | CCCACGGCGT | CCCCCAAATA |
| | 123541 | TGGCGGGCGG | CTCCTCCCCA | CCCCCTAGA | TGCGTGTGAG | TAAGGGGGGC | CTGCGTATGA |

| | | | | | | | |
|----|--------|-------------|------------|------------|------------|------------|-------------|
| | 123601 | GTCAGTGGGG | ACCACGCCCC | CAACACGGCG | ACCCCGGTCC | TTGTGTGTTT | GTTGTGGGGG |
| | 123661 | CGTGTCTCTG | TGTATGAGTC | AGGGGGTCCC | ACGGCGACCC | CGGGCCCTGC | GTCTGAGTCA |
| | 123721 | AAGGGGCCAT | GTGTATGTGT | TGGGGGTCTG | TATATATAAA | GTCAGGGGGT | CACATGGCGA |
| 5 | 123781 | CCCCAACAG | GGCGACCCCG | GTCCCTGTAT | ATATAGGGTC | AGGGGGTTCC | GCACCCCTTA |
| | 123841 | ACATGGCGCC | CCCGGTCCCT | GTATATATAG | TGTCACGGGG | TTCCACGCCC | CCTAACATGG |
| | 123901 | CGCCCCAACA | TGGCGCCCCG | CTCCCGTGTA | TGAGTGGGGG | TCCCCCAACA | TGGCGGCCGG |
| | 123961 | TTCCAGTGTA | AGGGTCGGGG | GTCCCCCAAC | ATGGCGCCCC | CCAATATGGC | GCCCCCAAT |
| | 124021 | ATGGCGCCCC | AGACATGGCG | CCCGGCCCTT | CACCTCGCGC | TGGGGGCGGC | CCTCAGGCCG |
| | 124081 | GCGGGTACTC | GCTCCGGGGC | GGGGCTCCAT | GGGGGTCGTA | TGCGGCTGGA | GGGTGCGCGA |
| 10 | 124141 | CGGAGGGTCC | CTGGGGGTCT | CAACGTAGGC | GGGGCTTCTG | TGGTGATGCG | GAGAGGGGGC |
| | 124201 | GGCCCGAGTC | TGCCTGGCTG | CTGCGTCTCG | CTCCGAGTGC | CGAGGTGCAA | ATGCGACCAG |
| | 124261 | ACTGTCGGGC | CAGGGCTAAC | TTATACCCCA | CGCCTTTCCC | CTCCCCAAAG | GGCGGGCAGT |
| | 124321 | GACGATTCCC | CCAATGGCCG | CGCGTCCCAG | GGGAGGCAGG | CCCACCGCGG | GGCGGCCCCG |
| | 124381 | TCCCCGGGGA | CCAACCCGGG | GCCCCCAAAG | AATATCATT | GCATGCACGG | CCCGGCCCCC |
| 15 | 124441 | GATTTGGGGG | CCCAACCCGG | TGTCCCCCAA | AGAACCCCAT | TAGCATGCCC | CTCCCGCCGA |
| | 124501 | CGCAACAGGG | GCTTGGCCTG | CGTCGGTGCC | CCGGGGCTTC | CCGCCTTCCC | GAAGAAACTC |
| | 124561 | ATTACCATA | CCGGAACCCC | AGGGGACCAA | TGCGGGTTCA | TTGAGCGACC | CGCGGGCCAA |
| | 124621 | TGCGCGAGGG | GCCGTGTGTT | CCGCCAAAAA | AGCAATTAGC | ATAACCCGGA | ACCCAGGGGG |
| | 124681 | AGTGGTTACG | CGCGGCGCGG | GAGGCGGGGA | ATACCGGGGT | TGCCCATTAA | GGGCCGCGGG |
| 20 | 124741 | AATTGCCGGA | AGCGGGAAGG | GCGGCCGGGG | CCGCCCATTA | ATGAGTTTCT | AATTACCATA |
| | 124801 | CCGGGAAGCG | GAACAAGGCC | TCTTGCAAGT | TTTTAATTAC | CATACCGGGA | AGTGGGCGGC |
| | 124861 | CCGGCCCAT | GGGCGGTAAC | TCCCGCCCAA | TGGGCGGGGC | CCCGAAGACT | CGGCGGACGC |
| | 124921 | TGGTTGGCCG | GGCCCCGCGG | CGCTGGCGGC | CGCCGATTGG | CCAGTCCCGC | CCCCGAGGCG |
| | 124981 | GCCCCCCTG | TGAGGGCCGG | CTGGCTCCAA | GCGTATATAT | GCGCGGCTCC | TGCCATCGTC |
| 25 | 125041 | TCTCCGGAGA | GCGGCTTGGT | CGGGAGCTCC | CGGGAGCTCC | GCGGAAGACC | CAGGCCGCCT |
| | 125101 | CGGGTGTAAC | GTTAGACCGA | GTTCCGCCGG | CCGGCTCCGC | GGGCCAGGGC | CCGGGCACGG |
| | 125161 | GCCTCGGGCC | CCAGGCACGG | CCCGATGACC | GCCTCGGCCT | CCGCCACCCG | GCGCCGGAAC |
| | 125221 | CGAGCCCGGT | CGGCCCGCTC | GCGGGCCAC | GAGCCGCGGC | GCGCCAGGCG | GGCGGCCGAG |
| | 125281 | GCCCAGACCA | CCAGGTGGCG | CACCCGACG | TGGGGCGAGA | AGCGCACCCG | CGCGGGGGTC |
| 30 | 125341 | GCGGGGGTCG | CGGGGGTTCG | GGGGGTTCG | GGGGTTCGCG | GGGGCTCCGG | CGCCCCCTCC |
| | 125401 | CCGCCCGCGC | GTTCGAGGCG | CAGGCGCGCC | AGGTGCTCCG | CGGTGACGCG | CAGGCGGAGG |
| | 125461 | GCGAGGCGCG | GCGGAAGGCG | GAAGGGGCGC | GAGGGGGGGT | GGGAGGGGTC | AGCCCCGCCC |
| | 125521 | CCCGGGCCCA | CGCCGGGCGG | TGGGGGCGGG | GCGCGGGGGG | CGCGGGGGTC | CGCCGGGGCC |
| | 125581 | TCTGGCGCCG | GCTCGGGCGG | GGGGCTGTCC | GGCCAGTCGT | CGTCATCGTC | GTCGTCGGAC |
| 35 | 125641 | GCGGACTCGG | GAACGTGGAG | CCACTGGCGC | AGCAGCAGCG | AACAAGAAGG | CGGGGGCCCA |
| | 125701 | CCGGCGGGGG | GCGGCGGCGG | GGCGGCCGCG | GGCGCGCTCC | TGACCGCGGG | TTCCGAGTTG |
| | 125761 | GGCGTGGAGG | TTACCTGGGA | CTGTGCGGTT | GGGACGGCGC | CCGTGGGCCC | GGGCGGCCGG |
| | 125821 | GGGCGGCGGG | GGCCGCGATG | GCGGCGGCGG | CGGGCCATGG | AGACAGAGAG | CGTGCCGGGG |
| | 125881 | TGGTAGAGTT | TGACAGGCAA | GCATGTGCGT | GCAGAGGCGA | GTAGTGCTTG | CCTGTCTAAC |
| 40 | 125941 | TCGCTAGTCT | CGGCCGCGGG | GGGCCCGGGC | TGCCCCCGCG | CACCGCTTTA | AAGGGCCGCG |
| | 126001 | CGCGACCCCC | GGGGGGTGTG | TTTTGGGGGG | GGCCCGTTTT | CGGCGTCTGG | CCGTCCTCTC |
| | 126061 | CCCCGCTCCT | CCCCCGGCTC | CTCCCCCGCG | TCCTCCCCCG | GCTCCTCCCC | CGCTCCTCTC |
| | 126121 | CCCCGCTCCT | CCCCCGGCTC | CTCCCCCGCG | TCCTCCCCCG | GCTCCTCCCC | CGCTCCTCTC |
| 45 | 126181 | CCCCGCTCCT | CCCCCGGCTC | CTCCCCCGCG | TCCTCCCCCG | GCTCCTCCCC | CGCTCCTCTC |
| | 126241 | CCCCGCTCCT | CCCCCGGCTC | CTCCCCCGCG | TCCCGCGGCG | CCGCCCCCCA | CGCCCGCCGC |
| | 126301 | GCGCGCGCAC | GCCGCCCGGA | CCGCCGCCCG | CCTTTTTTTC | GCGCGCGCGC | GCCCGCGGGG |
| | 126361 | GGCCCGGGCT | GCCACAGGTG | AAACCAACAG | AGCACGGCGC | ACTCCGCACG | TCACACGTCA |
| | 126421 | CGTCATCCAC | CACACCTGCC | CAACAACACA | ACTCACAGCG | ACAACTCACC | GCGCAACAAC |
| | 126481 | TCCTGTTTCT | CATCCACACG | TCACCGCGCA | CCTCCCGCTC | CTCCAGACGT | ACCCCGGCGC |
| 50 | 126541 | AACACACCGC | TCCTGCTACA | CACCACCGCC | CCCTCCCCAG | CCCCAGCCCT | CCCCAGCCCT |
| | 126601 | AGCCCTCCCC | GGCCCCAGCC | CTCCCCGGCC | CCAGCCCTCC | CCGGCCCCAG | CCCTCCCCGG |
| | 126661 | CCCCAGCCCT | CCCCGGCCCC | AGCCCTCCCC | GGCCCCAGCC | CTCCCCGGCG | CGTCCCGCGC |
| | 126721 | TCCCTCGGGG | GGGTTCGGGC | ATCTCTACCT | CAGTGCCGCG | AATCTCAGGT | CAGAGATCCA |
| | 126781 | AACCTTCCGG | GGGCGCCCGC | GCACCACCAC | CGCCCTTCGC | CCCTTCCCGC | CCCTCGCCCC |
| 55 | 126841 | CTCCCGCCCC | TGCCCCCTTC | CCGCCCTTCG | CCCCCTCCCG | CCCTTCGCCC | CCTCCCGCCC |
| | 126901 | CTCGCCCCCT | CCCGCCCCCT | GCCCCCTCCC | GCCCCCTCGC | CCCTCCCGCC | CCTCGCCCCC |
| | 126961 | TCCCGCCCCCT | CGCCCCCTTC | CGCCCCCTCG | CCCCCTCCCG | CCCTCGCCCC | CTCCCGCCCC |
| | 127021 | TCGCCCCCTC | CCGCCCTTCG | CCCCCTCCCG | CCCCCTCGCC | CCTCCCGCCC | CTCGCCCCCT |
| | 127081 | CCCGCCCCCT | GCCCCCTCCC | GCCCCCTCGC | CCCTCCCGCC | CCTCGCCCCC | TCCCGCCCCCT |

| | | | | | | | |
|----|--------|------------|------------|-------------|------------|------------|-------------|
| | 127141 | CGAATAAACA | ACGCTACTGC | AAAACCTTAAT | CAGGTTGTTG | CCGTTTATTG | CGTCTTCGGG |
| | 127201 | TCTCACAAGC | GCCCCGCCCC | GTCCCGGCCC | GTTACAGCAC | CCCGTCCCCC | TCGAACGCGC |
| | 127261 | CGCCGTTCGT | TTCGTCCAG | GCGCCTTCCC | AGTCCACAAC | TTCGCGCCGC | GGGGGCGTGG |
| 5 | 127321 | CCAAGCCCGC | CTCCGCCCCC | AGCACCTCCA | CGGCCCCCGC | CGCCGCCAGC | ACGGTGCCGC |
| | 127381 | TGCGGCCCGT | GGCCGAGGCC | CAGCGAATCC | CGGGCGGCGC | CGGCGGCAGG | GCCCCGGGCG |
| | 127441 | CGTCGTTCGT | GCCGCGCAGC | ACCAGCGGGG | GGGCGTCGTC | GTCGGGCTCC | AGCAGGGCGC |
| | 127501 | GGGCGCAAAA | GTCCCTCCGC | GGCCCGCGCC | ACCGGGCCCG | GCCGGCGCGC | ACCGCCTCGC |
| | 127561 | GCCCCAGCGC | CACGTACACG | GGCCGCAGCG | GCGCGCCAG | GCCCCAGCGC | GCGCAGGCGG |
| | 127621 | CGTGCGAGTG | GGCTCTCTCC | TCGCAGAAAT | CCGGCGCGCC | GGGCGCCATG | GCGTCGGTGG |
| 10 | 127681 | TCCCCGAGGC | CGCCGCCCGG | CCGTCCAGCG | CCGGCAGCAC | GGCCCGGCGG | TACTCGCGCG |
| | 127741 | GGGACATGGG | CACCGGCGTG | TCCGGGCCGA | AGCGCGTGCG | CACGCGGTAG | CGCACGTTGC |
| | 127801 | CGCCGCGGCA | CAGGCGCAGC | GGCGGCGCGT | CGGGGTACAG | GCGCGCGTGC | GCGGCCTCCA |
| | 127861 | GCGCGCGCAA | GACCCCCGGG | CCGAACACGC | GGCCCGAGGC | CAGCACCGTG | CGGCGCAGGT |
| | 127921 | CCCGCGCCGC | CGGCCAGCGC | ACGGCGCACT | GCACGGCGGG | CAGCAGCTCG | CACGCCAGGT |
| 15 | 127981 | AGGCGTGCTG | CCGCGACACC | GCGGGCCCGT | CGGCGGGCCA | GTCGAGGCG | CGCACGGTGT |
| | 128041 | TGACCACGAT | GAGCCGCCGG | TCGCGGCGCG | TGGCGAGCAG | CCCCAGAAAC | TCCACGGCCC |
| | 128101 | CGGCCAAGGC | CAGGTCCCGC | GTGGACAGCA | GCAGCACGCC | CTGTGCGCCC | AGCGCCGACA |
| | 128161 | CGTCGGGGGC | GCCGGTCCAA | TTGCCCGCCC | AGGCGGCCGT | GTCCGGCCCC | CACAGCCGGT |
| | 128221 | TGGCCAGGGC | CGCCAGCAGG | CAGGACAGCC | CGCCGCGCTC | GGCGGACCAC | TCCGGCGGCC |
| 20 | 128281 | CCCCGAGGC | CCCGCCGCCG | GCCAGGTCC | CGCCCGGCAG | CGGCGAGTAC | AGCACCACCA |
| | 128341 | CGCGCACGTC | CTCGGGGTCC | GGGATCTGGC | GCATCCAGGC | CGCCATGCGG | CGCAGCGGGC |
| | 128401 | CCGAGGCGCG | CAGGGGGCCA | AAGAGGCGGC | CCCCGGCGGC | CCCGTGGGGG | TGGGGGTTAT |
| | 128461 | CGTCGTTCGT | GCCGCCGCCG | CACCGGCGCT | GGGCGGCGGG | GGCGGGCCCC | GCGCACCGCG |
| | 128521 | CGGCGATCGA | GGCCAGGGCC | CGCGGGTCAA | ACATGAGGGC | CGGTGCGCAG | CGGACGGGGA |
| 25 | 128581 | ACAGCGGGTG | GTCCGTGAGC | TCGGGTCACG | CGCGCGGGGA | GCAGTAGGCC | TCCAGGGCGG |
| | 128641 | CGGCCGCGGG | CGCCGCCGTG | TGGCTGGGCC | CCGGGGGCTG | CCGCCGCCAG | CCGCCAGGGG |
| | 128701 | GGTCGGGGCC | CTCGGCGGGC | CGGCGCGACA | CGGCCACGGG | GCGCGGGCGG | GCCCTGCGCCG |
| | 128761 | CGGCGGCCCC | GGGCGCCCGG | GGCTGGGCGG | GGGCGGGCTC | GGGCCCCGGG | GGCGTGGAGG |
| | 128821 | GGGGCGCGGG | CGCGGGGAGG | GGGGCGCGGG | CGTCCGAGCC | GGGGGCGTCC | GCGCCGCTCT |
| 30 | 128881 | TCTTCGTCTT | CGGGGGTCCG | GGGCCGCCCG | CTCCGGGCGG | CCGGGCCGGG | CCGGGACTCT |
| | 128941 | TGCGCTTGCG | CCCCTCCCGC | GGCGCGGCGG | AGGCGGCGGC | GGCCGCCAGC | GCGTCGGCGG |
| | 129001 | CGTCCGGTGC | GCTGGCCCGC | GCCGCCAGCA | GGGGGCGCAG | GCTCTGGTTG | TCAAACAGCA |
| | 129061 | GGTCCGCGGC | GGCGCGGGCC | CGGAGGCTCG | GCAGGCGCGG | GTCCCGCGCG | AGCGCGGGGC |
| | 129121 | CCAGGGCCCC | GGCGACACAG | CTCAGCGCGC | GCACGGCGGC | CACGGCGGCC | TCGTGCGCGC |
| 35 | 129181 | CGGCCACGCG | CAGGTCCCCG | CGCAGGCGCA | TGAGCACCAG | CGCGTCGCGC | ACGAACCGCA |
| | 129241 | GCTCGCGCAG | CCACGCGCGC | AGGCGGGGCG | CGTCGGCGTG | CGGCGGCGGC | GGGGAAGCGG |
| | 129301 | GGCCCGCGGG | TCCCTCCGGC | CGCGGGGGGC | TGGCGGGCCG | GGCCCCGCGC | AGCCCCGGGA |
| | 129361 | CGGCCGCCAG | GTCGCCGTCG | AAGCCCTCGG | CCAGCGCCTC | CAGGATCCCC | CGGCAGGCGG |
| | 129421 | CCAGGCACTC | GACGGCCACG | CGGCCGGCCT | GGGCGCGGCG | CCCGGCGTCC | TCGTGCGCGT |
| 40 | 129481 | CGGCGTGGCG | GGCGGCGTCG | GGGTCGTTCG | CCCCCGCGGG | GGAGGCGGGC | GCGGCGGACA |
| | 129541 | GCCGCCCCAG | GGCGGCGAGG | ATCCCCGCGG | CGCCGTACCC | GGCGGGCACC | GCGCGCTCGC |
| | 129601 | CCGGTGCGGC | GGCGGCGACG | GCGGCGACCC | CCTCGTCATC | TGCGCGCGCG | CCGGGGCTCC |
| | 129661 | CCGCGGCCCC | CGTCAGCGCC | CGGTTCTTCG | GCGCCAACAG | GGGCGCGTAG | GCGCGGCGCA |
| | 129721 | GGCTGGTCAG | CAGGAAGCCC | TTCTGCGCGC | GGTTCGTATC | GCGGCTCATG | GCCACGGCGG |
| 45 | 129781 | CCGCCGCGTG | CGCCAGGCCC | CAGCCGAAGC | GGCCGGCCCG | CATGGCGTAG | CCCAGGTGGG |
| | 129841 | GCACGGCCCC | CGCCACGCTG | CCGGTGATGA | AGGAGCTGCT | GTGCGCGCGG | GCGCCCGAGA |
| | 129901 | TCCGGAAGCA | GGCCTGGTCC | AGCGCCACGT | CCCCGGGGAC | CACGCGCGGG | TTCTGGAGCC |
| | 129961 | ACCCCATGGC | CTCCGCGTCC | GGGGTGTACA | GCAGCCGCGT | GATCAGGGCG | TACTGCTGCG |
| | 130021 | CGGCGTCGCC | CAGCTCGGGC | GCCCACACGG | CCGCCGGGGC | GCCCGAGGCC | TCGAACCGGC |
| 50 | 130081 | GTGCGCCCTC | CTCCGCTTCG | GGCGCCCCCC | AGAGGCCCCG | GCGGCTGTCC | CCCAGGCCGC |
| | 130141 | CTGTACGAC | CCGCCCCGGG | GCGGGGGGCC | CGGCGCCGGG | CCACGCTTCC | CCGCTGACGT |
| | 130201 | ACCCGTCGCG | ATAGCGCGCG | TAGAAGGCGC | CGGAGGTCGC | GTCGGCGTCC | AGCTCGACCC |
| | 130261 | GCCGGGGCTG | CCCGGCCGTG | AAGCGGCCCC | TGGCGTTCGG | GCCGGCCACC | GCCGCGCGGG |
| | 130321 | CCCGGCGGCG | CTCGATGCGG | CCCGCGGAGG | CCGCGGGGGT | CCTCGCCGCC | GCCCGGGGCT |
| 55 | 130381 | TGGGCGCGGC | CTCGGAGAGG | GGGGGTGGCC | CGGGCGGGGG | CGGCGTCCGC | CCGGGGGCTG |
| | 130441 | CCGGCGCCGC | GTCGACGGA | CCCCGCCCGA | CGGCCCGCGC | CTCGCGTGCG | TGGTGGGCCG |
| | 130501 | CGTCGTTGCC | GTCGTCTGTC | TCGTCTCTGT | CGGACGACGA | GGACGAAGAG | GATGCGGACG |
| | 130561 | ACGAGGACGA | GGACCCGGAG | TCCGACGAGG | TCGATGACGC | CGATGGCCCG | CACCGGCCGT |
| | 130621 | GACGACGTCT | CCGCGGCGGC | TGGGCCGGCG | GGCGCGGCGA | CAGGCGGTCC | GTGGGGTCCG |

| | | | | | | | |
|----|--------|-------------|------------|------------|------------|------------|------------|
| | 130681 | GATACGCGCC | GCGTAGCGGG | GCCTCCCGTT | CGCGGCCCCG | GGCCGGGGCC | CGGTGCGCCG |
| | 130741 | CGGCGTCGGC | TGCGTCGTCG | TACTCGTCCC | CGTCATCGTC | GTCGGCTCGA | AAGGCGGGGG |
| | 130801 | TCCGGGGCGG | CGAGGCCCGG | GGGTGCGGGC | TCGGGATCGT | CCGGACGGCC | TCCTCTACCA |
| 5 | 130861 | TGGAGGCCAG | CAGAGCCAGC | TGTGCGGGCG | AGACGGCGTC | CCGGGCGTCC | TGCGCGGCGT |
| | 130921 | CGGTGCCCCG | CGCGGGGGCC | CTCCCGTCCC | GCCGGGCGTC | GTCGAGGTCT | TGGGGGTGGT |
| | 130981 | CGGGGTCTGT | GTCGGGGTCT | TCCCCGCCCC | CCTCCGTCTC | CGCGCCCCAC | CCGAGGGCCC |
| | 131041 | CCCGCTCTGT | GCGGTCTGGG | GTCGGGGTGG | GCGGCGGCCC | GTCGGTGGGG | CCCGGGGAGC |
| | 131101 | CGGGGCGCTG | CTTGTTCTCC | GACGCCATCG | CCGATGCGGG | GCGATCTCTC | GGGGATACGG |
| | 131161 | CTGCGACGGC | GGACGTAGCA | CGGTAGGTCA | CCTACGGACT | CTCGATGGGG | GGAGGGGGCG |
| 10 | 131221 | AGACCCACGG | ACCCCGACGA | CCCCCGCCGT | CGACGCGGAA | CTAGCGCGGA | CCGGTCGATG |
| | 131281 | CTTGGGTGGG | AAAAAGGACA | GGGACGGCCG | ATCCCCCTCC | CGCGCTTCGT | CCGCGTATCG |
| | 131341 | GCGTCCCGGC | GCGGCGAGCG | TCTGACGGTC | TGTCTCTGGC | GGTCCCGCGT | CGGGTCGTGG |
| | 131401 | ATCCGTGTCT | GCAGCCGCGC | TCCGTGTGGA | CGATCGGGGC | GTCTCTGGGC | TCATATAGTC |
| | 131461 | CCAGGGGGCC | GCGGGAAGGA | GGAGCAGCGG | AGGCCGCGCG | CCCCCGGCC | CCCCGGCGGG |
| 15 | 131521 | CCCACCCCGA | ACGGAATTCC | ATTATGCACG | ACCCCGCCCC | GACCGCCGCA | CGCCGGGGGC |
| | 131581 | CCGTGGCCGC | GGCCCGTTGG | TCGAACCCCC | GGCCCCGCCC | ATCCGCGCCA | TCTGCCATGG |
| | 131641 | GCGGGGCGCG | AGGGCGGGTG | GGTCCGCGCC | CCGCCCGCA | TGGCATCTCA | TTACCGCCCC |
| | 131701 | ATCCGGCGGT | TTCCGCTTCC | GTTCCGCATG | CTAACGAGGA | ACGGGCAGGG | GGCGGGGGCC |
| | 131761 | GGGCCCCGAC | TTCCCGTTTC | GGCGGTAATG | AGATACGAGC | CCCGCGCGCC | CGTTGGCCGT |
| 20 | 131821 | CCCCGGGCCC | CCCGGTCCCC | CCCGCCGAC | GCCGGGACCA | ACGGGACGGC | GGCGGGCCCA |
| | 131881 | AGGGCCGCCC | GCCTTGCCGC | CCCCCATTTG | GCCGGCGGGC | GGGACCGCCC | CAAGGGGGCG |
| | 131941 | GGGCCGCCCG | GTAAAAGAAG | TGAGAACCGC | AAGCGTTTCG | ACTTCGTCCC | AATATATATA |
| | 132001 | TATTATTAGG | GCGAAGTGCG | AGCACTGGCG | CCGTGCCCGA | CTCCGCGCCC | GCCCCGGGGG |
| | 132061 | CGGGCCCGGG | CGGCGGGGGG | CGGGTCTCTC | CGGCGCACAT | AAAGCCCCGG | CGCGACCGAC |
| 25 | 132121 | GCCCGCAGAC | GGCGCCGGCC | ACGAACGACG | GGAGCGGCTG | CGGAGCACGC | GGACCGGGAG |
| | 132181 | GCGGAGTCGC | AGAGGGCCGT | CGGAGCGGAC | GGCGTCGGCA | TCGCGACGCC | CCGGCTCGGG |
| | 132241 | ATCGGGATCG | CATCGGAAAG | GGACACGCGG | ACGCGGGGGG | GAAAGACCCG | CCCACCCAC |
| | 132301 | CCACGAAACA | CAGGGGACGC | ACCCCGGGGG | CCTCCGACGA | CAGAAACCCA | CCGGTCCGCC |
| | 132361 | TTTTTTTGCAC | GGGTAAGCAC | CTTGGGTGGG | CGGAGGAGGG | GGGGACGCGG | GGGCGGAGGA |
| 30 | 132421 | GGGGGGACGC | GGGGGCGGAG | GAGGGGGGAC | GCGGGGGCGG | AGGAGGGGGG | ACGCGGGGGC |
| | 132481 | GGAGGAGGGG | GGACGCGGGG | GCGGAGGAGG | GGGCTCACCC | GCGTTCGTGC | CTTCCCGCAG |
| | 132541 | GAGGAACGTC | CTCGTCGAGG | CGACCGGCGG | CGACCGTTGC | GTGGACCGCT | TCCTGCTCGT |
| | 132601 | CGGGCGGGGG | GAAGCCACTG | TGGTCTCTCG | GGACGTTTTC | TGGATGGCCG | ACATTTCCCC |
| | 132661 | AGGCGCTTTT | GCGCCTTGTC | TAAAAGCGCG | GCGTCCCGCT | CTCCGATCCC | CGCCCCGTTG |
| 35 | 132721 | CACGCGCAAG | CGCAAGCGCC | CTTCCCGCCC | CCTCTCATCG | GAGTCTGAGG | TAGAATCCGA |
| | 132781 | TACAGCCTTG | GAGTCTGAGG | TCGAATCCGA | GACAGCATCG | GATTCGACCG | AGTCTGGGGA |
| | 132841 | CCAGGATGAA | GCCCCCGCA | TCGGTGGCCG | TAGGGCCCCC | CGGAGGCTTG | GGGGGCGGTT |
| | 132901 | TTTTCTGGAC | ATGTCGGCGG | AATCCACCAC | GGGGACGGAA | ACGGATGCGT | CGGTGTGCGA |
| | 132961 | CGACCCCGAC | GACACGTCCG | ACTGGTCTTA | TGACGACATT | CCCCACGAC | CCAAGCGGGC |
| 40 | 133021 | CCGGGTAAAC | CTGCGGCTCA | CGAGCTCTCC | CGATCGGCGG | GATGGGGTTA | TTTTTCTTAA |
| | 133081 | GATGGGGCGG | GTCCGGTCTA | CCCGGGAAAC | GCAGCCCCCG | GCCCCACCC | CGTCGGCCCC |
| | 133141 | AAGCCCAAAT | GCAATGCTAC | GGCGCTCGGT | GCAGCAGGCC | CAGAGCGGGA | CGAGCGCACG |
| | 133201 | ATGGACCCCC | GACCTGGGCT | ACATGCGCCA | GTGTATCAAT | CAGCTGTTTC | GGGTCTTGCG |
| | 133261 | GGTCGCCCCG | GACCCCCACG | GCAGTGCCAA | CCGCCTGCGC | CACCTGATAC | GCGACTGTTA |
| 45 | 133321 | CCTGATGGGA | TACTGCCGAG | CCCGTCTGGC | CCCGCGCACG | TGGTGCCGTT | TGCTGCAGGT |
| | 133381 | GTCCGGCGGA | ACCTGGGGCA | TGCACCTGCG | CAACACCATA | CGGGAGGTGG | AGGCTCGATT |
| | 133441 | CGACGCCACC | GCGGAACCCG | TGTGCAAGCT | TCCTTGTTTG | GAGACCAGAC | GGTACGGCCC |
| | 133501 | GGAGTGTGAT | CTTAGTAATC | TCGAGATTCA | TCTCAGCGCG | ACAAGCGATG | ATGAAATCTC |
| | 133561 | CGATGCCACC | GATCTGGAGG | CCGCCGGTTC | GGACCACACG | CTCGCGTCCC | AGTCCGACAC |
| 50 | 133621 | GGAGGATGCC | CCCTCCCCCG | TTACGCTGGA | AACCCAGAA | CCCCCGGGT | CCCTCGCTGT |
| | 133681 | GCGTCTGGAG | GATGAGTTTG | GGGAGTTTGA | CTGGACCCCC | CAGGAGGGCT | CCCGCCCTTG |
| | 133741 | GCTGTCTGCG | GTCGTGGCCG | ATACCAGCTC | CGTGGAAACG | CCGGGCCCAT | CCGATTCTGG |
| | 133801 | GGCGGGTCTC | GCCGCAGAAG | ACCGCAAGTG | TCTGGACGGC | TGCCGGAATA | TGCGCTTCTC |
| | 133861 | CACCGCCTGC | CCCTATCCGT | GCAGCGACAC | GTTTCTCCGG | CCGTGAGTCC | GGTCGCCCCG |
| 55 | 133921 | ACCCCTTTGT | ATGTCCCCAA | AATAAAAGAC | CAAAATCAAA | GCGTTTGTCC | CAGCGTCTTA |
| | 133981 | ATGGCGGGAA | GGGCGGAGAG | AAACAGACCA | CGCGGACATG | GGGGGTGTTT | GGGGGTTTAT |
| | 134041 | TGGCACCGGG | GGCTAAAGGG | TGGTAACCGG | ATAGCAGATG | TGAGGAAGTC | GGGGCCGTTT |
| | 134101 | GCCGCGAACG | GCGATCAGAG | GGTCAGTTTC | TTGCGGACCA | CGGCCCGGCG | ATGTGGGTTG |
| | 134161 | CTCGTCTGGG | ACCTCGGGCA | TGCCCATACA | CGCACAAAC | GGACGCCGCA | CCGGATGGGA |

| | | | | | | | |
|----|--------|-------------|------------|------------|------------|------------|------------|
| | 134221 | CGTCGTAAGG | GGGCCTGGGG | TAGCTGGGTG | GGGTTTGTGC | AGAGCAATCA | GGGACCGCAG |
| | 134281 | CCAGCGCATA | CAATCGCGCT | CCCGTCCGTT | TGTCCCAGGC | AGTACCACGC | CGTACTGGTA |
| | 134341 | TTCGTACCGG | CTGAGCAGGG | TCTCCAGGGG | GTGGTTGGGG | GCCGCGGGGA | ACGGGGTCCA |
| | 134401 | CGCCACGGTC | CACTCGGGCA | AAAACCGAGT | CGGCACGGCC | CACGGTTCTC | CCACCCACGC |
| 5 | 134461 | GTCTGGGGTC | TTGATGGCGA | TAAATCTTAC | CCCGAGCCGG | ATTTTTTGGG | CGTATTCGAG |
| | 134521 | AAACGGCACA | CACAGATCCG | CCGCGCCTAC | CACCCACAAG | TGGTAGAGGC | GAGGGGGGCT |
| | 134581 | GGGTGGGTCT | CGGTGCAGCA | GTGGAAGCA | CGCCACGGCG | TCCACGACCT | CGGTGCTCTC |
| | 134641 | CAAGGGGCTG | TCCTCCGCAA | ACAGGCCCGT | GGTGGTGTTT | GGGGGGCAGC | GACAGGACCT |
| | 134701 | AGTGCACACG | ATCGGGCGGG | TGGGTTTGGG | TAAGTCCATC | AGCGGCTCGG | CCAACCGTCG |
| 10 | 134761 | AAGGTTGGCC | GGACGAACGA | CGACCGGGGT | ACCCAGGGGT | TCTGATGCCA | AAATGCGGCA |
| | 134821 | CTGCCAAGC | AGGAAGCTCC | ACAGGGCCGG | GCTTGCGTCG | ACGGAAGTCC | GGGGCAGGGC |
| | 134881 | GTTGTTCTGG | TCAAGGAGGG | TCATTACGTT | GACGACAACA | ACGCCCATGT | TGGTATATTA |
| | 134941 | CAGGCCCGTG | TCCGATTTGG | GGCACTTGCA | GATTTGTAAG | GCCACGCACG | GCGGGGAGAC |
| | 135001 | AGGCCGACGC | GGGGGCTGCT | CTAAAAATTT | AAGGGCCCTA | CGGTCCACAG | ACCCGCCTTC |
| 15 | 135061 | CCGGGGGGGC | CCTTGAGAGC | ACCGGCAGCG | GAGGCGTCCG | GGGGAGGGGA | GGGTGATTTA |
| | 135121 | CGGGGGGGTA | GGTCAGGGGG | TGGGTCGTCA | AACTGCCGCT | CCTTAAAC | CCGGGGCCCG |
| | 135181 | TCGTTCGGGG | TGCTCGTTGG | TTGGCACTCA | CGGTGCGGCG | AATGGCCTGT | CGTAAGTTTT |
| | 135241 | GTCGCGTTTA | CGGGGGACAG | GGCAGGAGGA | AGGAGGAGGC | CGTCCCGCCG | GAGACAAAGC |
| | 135301 | CGTCCCAGGT | GTTTCCTCAT | GGCCCCTTTT | ATACCCAGC | CGAGGACGCG | TGCCTGGACT |
| 20 | 135361 | CCCCGCCCCC | GGAGACCCCC | AAACCTTCCC | ACACCACACC | ACCCAGCGAG | GCCGAGCGCC |
| | 135421 | TGTGTCATCT | GCAGGAGATC | CTTGCCCAGA | TGTACGGAAA | CCAGGACTAC | CCCATAGAGG |
| | 135481 | ACGACCCAG | CGCGGATGCC | GCGGACGATG | TGCACGAGGA | CGCCCCGGAC | GACGTGGCCT |
| | 135541 | ATCCGGAGGA | ATACGCAGAG | GAGCTTTTTT | TGCCCCGGGA | CGCGACCGGT | CCCCTTATCG |
| | 135601 | GGGCCAACGA | CCACATCCCT | CCCCCGTGTG | GCGCATCTCC | CCCCGGTATA | CGACGACGCA |
| 25 | 135661 | GCCGGGATGA | GATTGGGGCC | ACGGGATTTA | ACCCGGAAGA | GCTTGACGCG | ATGGACAGGG |
| | 135721 | AGGCGGCTCG | AGCCATCAGC | CGCGGCGGCA | AGCCCCCTC | GACCATGGCC | AAGCTGGTGA |
| | 135781 | CTGGCATGGG | CTTTACGATC | CACGGAGCGC | TCACCCAGG | ATCGGAGGGG | TGTGTCTTTG |
| | 135841 | ACAGCAGCCA | TCCAGATTAC | CCCCAACGGG | TAATCGTGAA | GGCGGGGTGG | TACACGAGCA |
| | 135901 | CGAGCCACGA | GGCGCGACTG | CTGAGGCGAC | TGGACCACCC | GGCGATCCTG | CCCCTCCTGG |
| 30 | 135961 | ACCTGCATGT | CGTCTCCGGG | GTCACGTGTC | TGGTCCCTCC | CAAGTACCAG | GCCGACCTGT |
| | 136021 | ATACCTATCT | GAGTAGGCGC | CTGAACCCAC | TGGGACGCCC | GCAGATCGCA | GCGGTCTCCC |
| | 136081 | GGCAGCTCCT | AAGCGCCGTT | GACTACATTC | ACCGCCAGGG | CATTATCCAC | CGCGACATTA |
| | 136141 | AGACCGAAAA | TATTTTATAT | AACACCCCCG | AGGACATTTG | CCTGGGGGAC | TTTGGCGCCG |
| | 136201 | CGTGCTTCGT | GCAGGGTTCC | CGATCAAGCC | CCTTCCCCTA | CGGAATCGCC | GGAACATCCG |
| 35 | 136261 | ACACCAACGC | CCCCGAGGTC | CTGGCCGGGG | ATCCGTATAC | CACGACCGTC | GACATTTGGA |
| | 136321 | GCGCCGGTCT | GGTGATCTTC | GAGACTGCCG | TCCACAACGC | GTCTTGTGTC | TCGGCCCCCC |
| | 136381 | GCGGCCCCAA | AAGGGGCCCG | TGCGACAGTC | AGATCACCCG | CATCATCCGA | CAGGCCCAGG |
| | 136441 | TCCACGTTGA | CGAGTTTTC | CCGCATCCAG | AATCGCGCCT | CACCTCGCGC | TACCGCTCCC |
| | 136501 | GCGCGGCCCG | GAACAATCGC | CCGCCGTACA | CCCGACCGGC | CTGGACCCGC | TACTACAAGA |
| 40 | 136561 | TGGACATAGA | CGTCGAATAT | CTGGTTTGCA | AAGCCCTCAC | CTTCGACGGC | GCGCTTCGCC |
| | 136621 | CCAGCGCCGC | AGAGCTGCTT | TGTTTGCCGC | TGTTTCAACA | GAAATGACCG | CCCCCTGGGG |
| | 136681 | GCGGTGCTGT | TTGCGGGTGT | GCACAAAAAG | ACCCCGATCC | GCGTCTGTGG | TGTTTTTGCG |
| | 136741 | ATCATGTGCG | AGGGCGCCAT | GCGTGCCGTT | GTTCCCATTA | TCCCATTCCT | TTTGTTTCTT |
| | 136801 | GTGCGGTGTAT | CGGGGGTTCC | CACCAACGTC | TCCTCCACCA | CCCAACCCCA | ACTCCAGACC |
| 45 | 136861 | ACCGGTCGTC | CCTCGCATGA | AGCCCCAAC | ATGACCCAGA | CCGGCACCAC | CGACTCTCCC |
| | 136921 | ACCGCCATCA | GCCTTACCAC | GCCCGACCAC | ACACCCCCCA | TGCCAAGTAT | TGGACTGGAG |
| | 136981 | GAGGAGGAAG | AGGAGGAGGG | GGCCGGGGAC | GGCGAACATC | TTGAGGGGGG | AGATGGGACC |
| | 137041 | CGTGACACCC | TACCCAGTTC | CCCGGGCCCA | GCCTTCCCCT | TGGCTGAGGA | CGTCGAGAAG |
| | 137101 | GACAAACCCA | ACCGTCCCCT | AGTCCCATCC | CCCGATCCCA | ACAACTCCCC | CGCGCGCCCC |
| 50 | 137161 | GAGACCAGTC | GCCCCAAGAC | ACCCCCCACC | ATTATCGGGC | CGCTGGCAAC | TCGCCCCACG |
| | 137221 | ACCCGACTCA | CCTCAAAGGG | ACGACCTTTG | GTTCCGACGC | CTCAACATAC | CCCGCTGTTT |
| | 137281 | TCGTTTCTCA | CTGCCTCCCC | CGCCCTGGAC | ACCTCTTCG | TCGTACGAC | CGTCATCCAC |
| | 137341 | ACCTTATCGT | TTTTGTGTAT | TGGTGCATG | GCGACACACC | TGTGTGGCGG | TTGGTCCAGA |
| | 137401 | CGCGGGCGAC | GCACACACCC | TAGCGTGCCT | TACGTGTGCC | TGCCGTCCGA | ACGCGGGTAG |
| 55 | 137461 | GGTATGGGGC | GGGGGATGGG | GAGAGCCAC | ATGCGGAAAG | CAAGAACAAT | AAAGGCGGTG |
| | 137521 | GTATCTAGTT | GATATGCATC | TCTGGGTGTT | TTTGGGGTGT | GGCGGACGCG | GGGCGGTCT |
| | 137581 | TGGACGGGGT | GCAGTTAAAT | ACATGCCCGG | GACCCATGAA | GCATGCGCGA | CTTCCGGGCC |
| | 137641 | TCAGAACCCA | CCCGAAACGG | CCAACGGACG | TCTGAGCCAG | GCCTGGCTAT | CCGGAGAAAC |
| | 137701 | AGCACACGAC | TTGGCGTTCT | GTGTGTGCGC | ATGTCTCTGC | GCGCAGTCTG | GCATCTGGGG |

| | | | | | | | |
|----|--------|-------------|-------------|------------|------------|------------|-------------|
| | 137761 | CTTTTGGGAA | GCCTCGTGGG | GGCTGTTCTT | GCCGCCACCC | ATCGGGGACC | TGCGGCCAAC |
| | 137821 | ACAACGGACC | CCTTAACGCA | CGCCCCAGTG | TCCCCTCACC | CCAGCCCCCT | GGGGGGCTTT |
| | 137881 | GCCGTCCCCC | TCGTAGTCGG | TGGGCTGTGC | GCCGTAGTCC | TGGGGGCGGC | ATGTCTGCTT |
| 5 | 137941 | GAGCTCCTGC | GTCGTACGTG | CCGCGGGTGG | GGGCGTTACC | ATCCCTACAT | GGACCCAGTT |
| | 138001 | GTCGTATAAT | TTCCCCCCCC | CCCCCCTTC | TCCGCGTGGG | TGATGTCGGG | TCCAAACTCC |
| | 138061 | CGACACCACC | AGCTGGCATG | GTATAAATCA | CCGGTGCGCC | CCCCAAACCA | TGTCCGGCAG |
| | 138121 | GGGCAATGGG | GGGCAATGCG | GAGGGCACCC | AACAACACCG | GGCTAACCAG | GAAATCCGTG |
| | 138181 | GCCCCGGCCC | CCAATAAAGA | TCGCGGTAGC | CCGGCCGTGT | GACACTATCG | TCCATACCGA |
| 10 | 138241 | CCACACCGAC | GAATCCCCCA | AGGGGGAGGG | GCCATTTTAC | GAGGAGGAGG | GGTATAACAA |
| | 138301 | AGTCTGTCTT | TAAAAAGCAG | GGGTTAGGGA | GTTGTTCGGT | CATAAGCTTC | AGCGCGAACG |
| | 138361 | ACCAACTACC | CCGATCATCA | GTTATCCTTA | AGGTCTCTTT | TGTGTGGTGC | GTTCCGGTAT |
| | 138421 | GGGGGGGGCT | GCCGCCAGGT | TGGGGGCCGT | GATTTTGTTT | GTGCTCATAG | TGGGCCTCCA |
| | 138481 | TGGGGTCCGC | AGCAAATATG | CTTGGGTGGA | TGCCTCTCTC | AAGATGGCCG | ACCCCAATCG |
| 15 | 138541 | CTTTCGCGGC | AAAGACCTTC | CGGTCCTGGA | CCAGCTGACC | GACCCCTCCG | GGGTCCGGCG |
| | 138601 | CGTGTACCAC | ATCCAGGCGG | GCCTACCGGA | CCCGTTCGAG | CCCCCAGCC | TCCCGATCAC |
| | 138661 | GGTTTACTAC | GCCGTGTTGG | AGCGCGCCTG | CCGAGCGTGG | CTCCTAAACG | CACCGTCGGA |
| | 138721 | GGCCCCCAG | ATTGTCCGCG | GGGCCTCCGA | AGACGTCCGG | AAACAACCTT | ACAACCTGAC |
| | 138781 | CATCGCTTGG | TTTCGGATGG | GAGGCAACTG | TGCTATCCCC | ATCACGGTCA | TGGAGTACAC |
| 20 | 138841 | CGAATGCTCC | TACAACAAGT | CTCTGGGGGC | CTGTCCCATC | CGAACGCAGC | CCCGCTGGAA |
| | 138901 | CTACTATGAC | AGCTTCAGCG | CCGTCAGCGA | GGATAACCTG | GGGTTCCTGA | TGCACGCCCC |
| | 138961 | CGCGTTTGAG | ACCGCCGGCA | CGTACCTGCG | GCTCGTGAAG | ATAAACGACT | GGACGGAGAT |
| | 139021 | TACACAGTTT | ATCCTGGAGC | ACCGAGCCAA | GGGCTCCTGT | AAGTACGCCC | TCCCGCTGCG |
| | 139081 | CATCCCCCG | TCAGCCTGCC | TCTCCCCCA | GGCCTACCAG | CAGGGGGTGA | CGGTGGACAG |
| | 139141 | CATCGGGATG | CTGCCCCGCT | TCATCCCCGA | GAAACAGCGC | ACCGTCGCCG | TATACAGCTT |
| 25 | 139201 | GGAAGATCGC | GGGTGGCACG | GGCCCAAGGC | CCCATACACG | AGCACCCTGC | TGCCCCCGGA |
| | 139261 | GCTGTCCGAG | ACCCCCAACG | CCACGCAGCC | AGAACTCGCC | CCGGAAGACC | CCGAGGATTC |
| | 139321 | GGCCCTCTTG | GAGGACCCCG | TGGGGACGGT | GGCGCCGCAA | ATCCCACCAA | ACTGGCACAT |
| | 139381 | ACCGTCGATC | CAGGACGCCG | CGACGCCTTA | CCATCCCCCG | GCCACCCCGA | ACAACATGGG |
| | 139441 | CCTGATCGCC | GGCGCGGTGG | GCGGCAGTCT | CCTGGCAGCC | CTGGTCATTT | GCGGAATTGT |
| 30 | 139501 | GTAAGTGGATG | CGCCGCCACA | CTCAAAAAGC | CCCAAAGCGC | ATACGCCTCC | CCCACATCCG |
| | 139561 | GGAAGACGAC | CAGCCGTCCT | CGCACCAGCC | CTTGTTTAC | TAGATACCCC | CCCTTAATGG |
| | 139621 | GTGCGGGGGG | GTCAGGTCTG | CGGGGTGGG | ATGGGACCTT | AACTCCATAT | AAAGCGAGTC |
| | 139681 | TGGAAGGGGG | GAAAGGTGGA | CAGTCGATAA | GTCGGTAGCG | GGGGACGCGC | ACCTGTTCCG |
| | 139741 | CCTGTGCGAC | CCACAGCTTT | TTTTGCGAAC | CGTCCCGTTC | CGGGATGCCG | TGCCGCCCGT |
| 35 | 139801 | TGCAGGGCCT | GGTGCTCGTG | GGCCTCTGGG | TCTGTGCCAC | CAGCCTGGTT | GTCCGTGGCC |
| | 139861 | CCACGGTCAG | TCTGGTATCA | AACTCATTTG | TGGACGCCGG | GGCCTTGGGG | CCCGACGGCG |
| | 139921 | TAGTGGAGGA | AGACCTGCTT | ATTCTCGGGG | AGCTTCGCTT | TGTGGGGGAC | CAGGTCCCCC |
| | 139981 | ACACCACCTA | CTACGATGGG | GGCGTAGAGC | TGTGGCACTA | CCCCATGGGA | CACAAATGCC |
| 40 | 140041 | CACGGGTGCT | GCATGTCGTC | ACGGTGACCG | CGTGCCACG | TCGCCCCGCC | GTGGCATTCG |
| | 140101 | CCCTGTGTGCG | CGCGACCGAC | AGCACTCACA | GCCCCGCATA | TCCCACCCTG | GAGCTCAATC |
| | 140161 | TGGCCCAACA | GCCGCTTTTG | CGGGTCCAGA | GGGCAACGCG | GGACTATGCG | GGGGTGTACG |
| | 140221 | TGTTACGCGT | ATGGGTCCGT | GACGCGCCAA | ACGCCAGCCT | GTTTGTCTCG | GGGATGGCCA |
| | 140281 | TAGCCGCCGA | AGGGACTCTG | GCGTACAACG | GCTCGGCCTA | TGGCTCCTGC | GACCCGAAAC |
| 45 | 140341 | TGCTTCCGTC | TTTCGGCCCCG | CGTCTGGCCC | CGGCGAGCGT | ATACCAACCC | GCCCCTAACC |
| | 140401 | AGGCCTCCAC | CCCCTCGACC | ACCACCTCCA | CCCCCTCGAC | CACCATCCCC | GCTCCCTCGA |
| | 140461 | CCACCATCCC | CGCTCCCCAA | GCATCGACCA | CGCCCTTCCC | CACGGGAGAT | CCAAAACCAC |
| | 140521 | AACCTCCCCG | GGTCAACCAC | GAACCCCAT | CTAATGCCAC | GCGAGCGACC | CGCGACTCGC |
| | 140581 | GATACGCGCT | AACGGTGACC | CAGATAATCC | AGATAGCCAT | CCCCGCGTCC | ATCATAGCCC |
| 50 | 140641 | TGGTGTTTCT | GGGGAGCTGT | ATTTGCTTTA | TACACAGATG | TCAACGCCCG | TACCGACGCT |
| | 140701 | CCCGTCGCCC | GATTTACAGC | CCCCAGATGC | CCACGGGCAT | CTCATGCGCG | GTGAAACGAAG |
| | 140761 | CGGCCATGGC | CCGCCTCGGA | CCCGAGCTCA | AATCGCATCC | GAGCACCCCC | CCCAAATCCC |
| | 140821 | GGCGCCGGTC | GTCACGCACG | CCAATGCCCT | CCCTGACGGC | CATCGCCGAA | GAGTCGGAGC |
| | 140881 | CCGCTGGGGC | GGCTGGGCTT | CCGACGCCCC | CCGTGGACCC | CACGACACCC | ACCCCAACGC |
| | 140941 | CTCCCTGTG | GGTATAGGTC | CACGGCCACT | GGCCGGGAGC | ACCACATAAC | CGACCGCAGT |
| 55 | 141001 | CCCTGAGTTG | GGAATAAAC | GGTATTATTT | ACCTATATCC | GTGTATGTG | ATTTCTTTCC |
| | 141061 | CCCCCTCCCC | GGAAACCAAA | GAAGGAAGCA | AAGAATGGAT | GGGAGGAGTT | CAGGAAGCCG |
| | 141121 | GGGAGAGGGC | CCGCGGCGCA | TTTAAGGCGT | TGTTGTGTTG | ACTTTGCCTC | TTCTGGCGGG |
| | 141181 | TTGGTGCGGT | GCTGTTTGTT | GGGCTCCCAT | TTTACCCGAA | GATCGGCTGC | TATCCCCGGG |
| | 141241 | ACATGGATCG | CGGGGCGGTG | GTGGGGTTTC | TTCTCGGTGT | TTGTGTTGTA | TCGTGCTTGG |

| | | | | | | | |
|----|--------|------------|-------------|-------------|-------------|-------------|-------------|
| | 141301 | CGGGAACGCC | CAAAACGTCC | TGGAGACGGG | TGAGTGTCGG | CGAGGACGTT | TCGTTGCTTC |
| | 141361 | CAGCTCCGGG | GCCTACGGGG | CGCGGCCCGA | CCCAGAACT | ACTATGGGCC | GTGGAACCCC |
| | 141421 | TGGATGGGTG | CGGCCCTTA | CACCCGTCGT | GGGTCTCGCT | GATGCCCCC | AAGCAGGTGC |
| | 141481 | CCGAGACGGT | CGTGGATGCG | GCGTGCATGC | GCGCTCCGGT | CCCGCTGGCG | ATGGCGTACG |
| 5 | 141541 | CCCCCCC | CCCATCTGCG | ACCGGGGGTC | TACGAACGGA | CTTCGTGTGG | CAGGAGCGCG |
| | 141601 | CGGCCGTGGT | TAACCGGAGT | CTGGTTATTC | ACGGGGTCCG | AGAGACGGAC | AGCGGCCCTGT |
| | 141661 | ATACCCTGTC | CGTGGGCGAC | ATAAAGGACC | CGGCTCGCCA | AGTGGCCTCG | GTGGTCTCTGG |
| | 141721 | TGGTGCAACC | GGCCCCAGTT | CCGACCCAC | CCCCGACCCC | AGCCGATTAC | GACGAGGATG |
| | 141781 | ACAATGACGA | GGGCGAGGAC | GAAAGTCTCG | CCGGCACTCC | CGCCAGCGGG | ACCCCCCGGC |
| 10 | 141841 | TCCCGCCTCC | CCCCGCCCCC | CCGAGGTCTT | GGCCCAGCGC | CCCCGAAGTC | TCACATGTGC |
| | 141901 | GTGGGGTGAC | CGTGCATATG | GAGACTCCGG | AAGCTATCCT | GTTTTCCCC | GGGGAGACGT |
| | 141961 | TCAGCACGAA | CGTCTCCATC | CATGCCATCG | CCCACGACGA | CCAGACCTAC | TCCATGGACG |
| | 142021 | TCGTCTGGTT | GAGGTTTCGAC | GTGCCGACCT | CGTGTGCCGA | GATGCGAATA | TACGAATCGT |
| | 142081 | GTCTGTATCA | CCCGCAGCTC | CCAGAATGTC | TGTCCTCCGGC | CGACGCGCCG | TGCGCCGCGA |
| 15 | 142141 | GTACGTGGAC | GTCTCGCCTG | GCCGTCCGCA | GCTACGCGGG | GTGTTCCAGA | ACAAACCCCC |
| | 142201 | CACCCGCTG | TTCGGCCGAG | GCTCACATGG | AGCCCGTCCC | GGGGCTGGCG | TGGCAGGCGG |
| | 142261 | CCTCCGTCAA | TCTGGAGTTC | CGGGACGCGT | CCCCACAACA | CTCCGGCCTG | TATCTGTGTG |
| | 142321 | TGGTGTACGT | CAACGACCAT | ATTACAGCCT | GGGGCCACAT | TACCATCAGC | ACCGCGCGC |
| | 142381 | AGTACCGGAA | CGCGGTGGTG | GAACAGCCCC | TCCCACAGCG | CGGCGCGGAT | TTGGCCGAGC |
| 20 | 142441 | CCACCCACCC | GCACGTCGGG | GCCCCTCCCC | ACGCGCCCCC | AACCCACGGC | GCCCTGCGGT |
| | 142501 | TAGGGGCGGT | GATGGGGGCC | GCCCTGCTGC | TGTCTGCACT | GGGGTTGTCT | GTGTGGGCGT |
| | 142561 | GTATGACCTG | TTGGCGCAGG | CGTGCCTGGC | GGGCGGTTAA | AAGCAGGGCC | TCGGGTAAAG |
| | 142621 | GGCCACGTA | CATTCGCGTG | GCCGACAGCG | AGCTGTACGC | GGACTGGAGC | TCGGACAGCG |
| | 142681 | AGGGAGAACG | CGACCAGGTC | CCGTGGCTGG | CCCCCCCGGA | GAGACCCGAC | TCTCCCTCCA |
| 25 | 142741 | CCAATGGATC | CGGCTTTGAG | ATCTTATCAC | CAACGGCTCC | GTCTGTATAC | CCCCGTAGCG |
| | 142801 | ATGGGCATCA | ATCTCGCCGC | CAGTCAACA | CCTTTGGATC | CGGAAGGCCC | GATCGCCGTT |
| | 142861 | ACTCCCAGGC | CTCCGATTCT | TCCGTCTTCT | GGTAAGGCGC | CCCATCCCCA | GGCCCCACGT |
| | 142921 | CGGTGCGCGA | ACTGGGCGAC | CGCCGGCGAG | GTGGACGTCG | GAGACGAGCT | AATCGCGATT |
| | 142981 | TCCGACGAAC | GCGGACCCCC | CCGACATGAC | CGCCCGCCCC | TCGCCACGTC | GACCGCGCCC |
| 30 | 143041 | TCGCCACACC | CGCGACCCCC | GGGCTACACG | GCCGTTGTCT | CCCCGATGGC | CCTCCAGGCT |
| | 143101 | GTCGACGCCC | CCTCCCTGTT | TGTCGCTTGG | CTGGCCGCTC | GGTGGCTCCG | GGGGGCTTCC |
| | 143161 | GGCCTGGGGG | CCGTCTCTGT | TGGGATTGCG | TGGTATGTGA | CGTCAATTGC | CCGAGGCGCA |
| | 143221 | TAAAGGGCCG | GTGGTCCGCC | TAGCCGACCT | AAATTAAAAA | TCGTGAGTCA | CAGCGACCCG |
| | 143281 | AACCTTCCAC | CCGGAGCTTT | CTTCCGGCCT | CGATGACGTC | CCGGCTCTCC | GATCCCAACT |
| 35 | 143341 | CCTCAGCGCG | ATCCGACATG | TCCGTGCCGC | TTTATCCAC | GGCCTCGCCA | GTTCGGTCTG |
| | 143401 | AAGCCTACTA | CTCGGAAAGC | GAAGACGAGG | CGGCCAACGA | CTTCCTCGTA | CGCATGGGCC |
| | 143461 | GCCAACAGTC | GGTATTAAGG | CGTCGACGCA | GACGCACCCG | CTGCGTCGGC | ATGGTGATCG |
| | 143521 | CCTGTCTCCT | CGTGGCCGTT | CTGTGCGGCG | GATTTGGGGC | GCTCCTGATG | TGGCTGCTCC |
| | 143581 | GCTAAAAGAC | CGCATCGACA | CGCGCGTCC | TCTTGTCTGTC | TCTCTTCCCC | CCCATCACCC |
| 40 | 143641 | CGCAATTTGC | ACCCAGCCTT | TAATAACATT | AAATTGGGTT | CGATTGGCAA | TGTTGTCTCC |
| | 143701 | CGGTTGATTT | TTGGGTGGGT | GGGGAGTGGG | TGGGTGGGGA | GTGGGTGGGT | GGGGAGTGGG |
| | 143761 | TGGGTGGGGA | GTGGGTGGGT | GGGGAGTGGG | TGGGTGGGGA | GTGGGTGGGT | GGGGAGTGGG |
| | 143821 | TGGGTGGGGA | GTGGGTGGGT | GGGGAGTGGG | TGGGTGGGGA | GTGGGTGGGT | GGGGAGTGGG |
| | 143881 | CCGACCACCA | GACAGAAAAT | GTAACCATAC | CCAAACCGAC | TCTGGGGGCT | GTTCGTGGGG |
| 45 | 143941 | TCGGAACCAT | AGGATGAACA | AACCACCCCG | TACCACCCGC | ACCCAAGGGT | GCGGTGGCTC |
| | 144001 | ATCGGCATCT | GTCCGGTATG | GGTTGTTCCC | CACCCACTCG | CGTTCGGACG | TCTTAGAATC |
| | 144061 | ATGGCGGTTT | TCTATGCCGA | CATCGGTTTT | CTCCCCCGCA | ATAAGACACG | ATGCGATAAA |
| | 144121 | ATCTGTTTGT | AAAATTTATT | AAGGGTACAA | ATTGCCCTAG | CACAGGGGTG | GGGTTAGGGC |
| | 144181 | CGGGTCCCCA | CACCCAAACG | CACCAAACAG | ATGCAGGCAG | TGGGTGCGAGT | ACAGCCCCGC |
| 50 | 144241 | GTACGAACAC | GTCGATGCGT | GTGTACAGACA | GCACCAGAAA | GCACAGGCCA | TCAACAGGTC |
| | 144301 | GTGCATGTGT | CGGTGGGTTT | GGACGCGGGG | GGCCATGGTG | GTGATAAAGT | TAATGGCCCG |
| | 144361 | GTCCCGCCAG | GGCCACAGGG | GCGACGTCTC | TTGGTTGGCC | CGGAAGCCAT | CGGTGTGGAC |
| | 144421 | CAGCCGCGCG | TGGCGGCCCA | ACATGGCCCC | TGTAGCCGGG | GGCGGGGGAT | CGCGCACGTT |
| | 144481 | TGCAGCGCAC | ATGCGAGACA | CCTCGACCAC | GGTTCGAAAG | AAGGCCCGGT | GGTCCGCGGG |
| 55 | 144541 | CAACATCACC | AGGTGCGCAA | GCGCCCGGGC | GTCCAGAGGG | TAGAGCCCTG | AGTCATCCGA |
| | 144601 | GGTTGGCTCA | TCGCCC | CTTGCCGCAA | GTGCGTGTGG | GTTGGGCTTC | CGGTGGGCGG |
| | 144661 | GACGCGAACC | GCGGTGTGGA | TCCCGACGCG | GGCCCGAGCG | TATGCTCCAT | GTTGTGGGGA |
| | 144721 | GAAGGGGTCT | GGGCTCGCCA | GGGGGGCATA | CTTGCCCGGG | CTATACAGAC | CCGCGAGCCG |
| | 144781 | TACGTGGTTC | GCGGGGGGTG | CGTGGGGTCC | GGGGCTCCCC | GGGAGACCGG | GGCTCCCGGG |

| | | | | | | | |
|----|--------|-------------|------------|-------------|-------------|------------|-------------|
| | 144841 | GAGACCGGGG | CTCCCTGGGA | GACCGGGGTT | GTCGTGGATC | CCTGGGGTCA | CGCGGTACCC |
| | 144901 | TGGGGTCTCT | GGGAGCTCGC | GGTACTCTGG | GTTCCCTAGG | TTCTCGGGGT | GGTCGCGGAA |
| | 144961 | CCCGGGGCTC | CCGGGGAACA | CGCGGTGTCC | TGGGGATTGT | TGGCGGTCCG | ACGGCTTCAG |
| 5 | 145021 | ATGGCTTCGA | GATCGTAGTG | TCCGCACCGA | CTCGTAGTAG | ACCCGAATCT | CCACATTGCC |
| | 145081 | CCGCCGCTTG | ATCATTATCA | CCCCGTTGCG | GGGGTCCGGA | GATCATGCGC | GGGTGTCCTC |
| | 145141 | GAGGTGCGTG | AACACCTCTG | GGGTGCATGC | CGGCGGACGG | CACGCCTTTT | AAGTAAACAT |
| | 145201 | CTGGGTGCGC | CGGCCCAACT | GGGGCCGGGG | GTTGGGTCTG | GCTCATCTCG | AGAGCCACGG |
| | 145261 | GGGGGAACCA | CCCTCCGCCC | AGAGACTCGG | GTGATGGTCG | TACCCGGGAC | TCAACGGGTT |
| 10 | 145321 | ACCGGATTAC | GGGGACTGTC | GGTCACGGTC | CCGCCGGTTC | TTCGATGTGC | CACACCCAAG |
| | 145381 | GATGCGTTGG | GGGCGATTTT | GGGCAGCAGC | CCGGGAGAGC | GCAGCAGGGG | ACGCTCCGGG |
| | 145441 | TCGTGCACGG | CGGTTCTGGC | CGCCTCCCGG | TCCTCACGCC | CCCTTTTATT | GATCTCATCG |
| | 145501 | CGTACGTCCG | CGTACGTCC | GGGCCCAACC | CGCATGGTGT | CCAGGAAGGT | GTCCGCCATT |
| | 145561 | TCCAGGGCCC | ACGACATGCT | CCCCCCCCGAC | GAGCAGGAAG | CGGTCCACGC | AACGGTCGCC |
| 15 | 145621 | GCCGGTCGCC | TCGACGAGGA | CGTTCCTCCT | GCGGGAAGGC | ACGAACGCGG | GTGAGCCCCC |
| | 145681 | TCCTCCGCCC | CCGCGTCCCC | CCTCCTCCCG | CCCCGCGTCC | CCCCTCCTCC | GCCCCCGCGT |
| | 145741 | CCCCCTCCT | CCGCCCCCGC | GTCCCCCTC | CTCCGCCCCC | GCGTCCCCCC | TACTCCGCCC |
| | 145801 | CCGCGTCCCC | CCTCCTCCAC | CCCCGCGTCC | CCCCCTCCTC | CGCCACCCA | AGGTGCTTAC |
| | 145861 | CCGTGCAAAA | AAGGCGGACC | GGTGGGTTTC | TGTCGTCGGA | GGCCCCCGGG | GTGCGTCCCC |
| 20 | 145921 | TGTGTTTCGT | GGGTGGGGTG | GGCGGGTCTT | TCCCCCCC | GTCCGCGTGT | CCCTTTCCGA |
| | 145981 | TGCGATCCCG | ATCCCGAGCC | GGGGCGTCGC | GATGCCGACG | CCGTCCGCTC | CGACGGCCCT |
| | 146041 | CTGCGACTCC | CGCTCCCGGT | CCGCGTGCTC | CGCAGCCGCT | CCCGTCGTTT | GTGGCCGGCG |
| | 146101 | CCGTCTGCGG | GCGTCGGTCG | CGCCGGGCC | TTATGTGCGC | CGGAGAGACC | CGCCCCCCGC |
| | 146161 | CGCCCCGGGC | CGCCCCCGGG | GCCGGCGCGG | AGTCGGGCAC | GGCGCCAGTG | CTCGCACTTC |
| 25 | 146221 | GCCCTAATAA | TATATATATA | TGGGACGAA | GTGCGAACGC | TTCCGCTTCT | CACCTCTTTT |
| | 146281 | ACCCGGCGCG | CCCGCCCCCT | TTGGGCGGTC | CCGCCCCGCG | GCCAATGGGG | GCCCGGCAAG |
| | 146341 | GCGGGCGGCC | CTTGGGCGCG | CCGCCGTCCC | GTTGGTCCCG | GCGTCCGGCG | GGCGGGACCG |
| | 146401 | GGGGGCCCGG | GGACGGCCAA | CGGGCGCGCG | GGGCTCGTAT | CTCATTACCG | CCGAACCGGG |
| | 146461 | AAGTCGGGGC | CCGGGCCCCG | CCCCCTGCC | GTTCTCTGTT | AGCATGCGGA | ACGGAAGCGG |
| 30 | 146521 | AAACCGCCCG | ATCGGGCGGT | AATGAGATGC | CATGCGGGGC | GGGGCGCGGA | CCCACCCGCC |
| | 146581 | CTCGCGCCCC | GCCCATGGCA | GATGGCGCGG | ATGGGGCGGG | CCGGGGGTTT | GACCAACGGG |
| | 146641 | CCGCGGCCAC | GGGCCCCCGG | CGTGCCGGCG | TGGGGCGGG | GTCGTGCATA | ATGGAATTCC |
| | 146701 | GTTCTGGGGTG | GGCCCGCCCG | GGGGCGGGG | GGCCGGCGGC | CTCCGCTGCT | CCTCCTTCCC |
| | 146761 | CCCGGCCCC | GGGACTATAT | GAGCCGAGG | ACGCCCCGAT | CGTCCACACG | GAGCGCGGCT |
| 35 | 146821 | GCCGACACGG | ATCCACGACC | CGACGCGGGA | CCGCCAGAGA | CAGACCGTCA | GACGCTCGCC |
| | 146881 | GCGCCGGGAC | GCCGATACGC | GGACGAAGCG | CGGGAGGGGG | ATCGGCCGTC | CCTGTCTTTT |
| | 146941 | TTCCCAACCA | AGCATCGACC | GGTCCGCGCT | AGTTCCGCGT | CGACGGCGGG | GGTCGTGCGG |
| | 147001 | GTCCGTGGGT | CTCGCCCCCT | CCCCCATCG | AGAGTCCGTA | GGTGACCTAC | CGTGCTACGT |
| 40 | 147061 | CCGCCGTGCG | AGCCGTATCC | CCGGAGGATC | GCCCCGCATC | GGCGATGGCG | TCGGAGAACA |
| | 147121 | AGCAGCGCCC | CGGCTCCCCG | GGCCCCACCG | ACGGGCCGCC | GCCCACCCCG | AGCCCAGACC |
| | 147181 | GCGACGAGCG | GGGGGCCCTC | GGGTGGGGCG | CGGAGACGGA | GGAGGGCGGG | GACGACCCCC |
| | 147241 | ACCACGACCC | CGACCACCCC | CACGACCTCG | ACGACGCCCG | GCGGGACGGG | AGGGCCCCCG |
| | 147301 | CGCGCCGCGC | CGACGCCGCG | GAGGACGCCG | GGGACGCCGT | CTCGCCGCGA | CAGCTGGCTC |
| | 147361 | TGCTGGCCTC | CATGGTAGAG | GAGGCCGTCC | GGACGATCCC | GACGCCGAC | CCCGCGGCCT |
| 45 | 147421 | CGCCGCCCCG | GACCCCGGCC | TTCGAGCCG | ACGACGATGA | CGGGGACGAG | TACGACGACG |
| | 147481 | CAGCCGACGC | CGCCGGCGAC | CGGGCCCCCG | CCCGGGGCCG | CGAACGGGAG | GCCCCGCTAC |
| | 147541 | GCGGCGCGTA | TCCGGACCCC | ACGGACCGCC | TGTCGCGCGG | CCCGCCGGCC | CAGCCGCGCG |
| | 147601 | GGAGACGTG | TCACGGCCGG | TGGCGGCCAT | CGGCGTCATC | GACCTCGTCG | GACTCCGGGT |
| | 147661 | CCTCGTCTCT | GTCGTCCGCA | TCCTCTTCGT | CCTCGTCTGTC | CGACGAGGAC | GAGGACGACG |
| 50 | 147721 | ACGGCAACGA | CGCGGCCGAC | CACGCACGCG | AGGCGCGGGC | CGTCGGGCGG | GGTCCGTCTGA |
| | 147781 | GCGCGGCGCG | GGCAGCCCCC | GGGCGGACGC | CGCCCCCGCC | CGGGCCACCC | CCCCCTCTCC |
| | 147841 | AGGCGCGGCC | CAAGCCCGCG | CGGGCGGCGA | GGACCCCGCG | GGCTCCGCGG | GCCCGCATCG |
| | 147901 | AGCGCCGCGG | GGCCCGCGCG | GCGGTGGCCG | GCCGCGACGC | CACGGGCCGC | TTCACGGCCG |
| | 147961 | GGCAGCCCCG | GCGGGTCGAG | CTGGACGCGG | ACGCGACCTC | CGGCGCCTTC | TACGCGCGCT |
| 55 | 148021 | ATCGCGACGG | GTACGTCAGC | GGGGAGCCGT | GGCCCGGCGC | CGGGCCCCCG | CCCCCGGGGC |
| | 148081 | GGGTGCTGTA | CGGCGGCCTG | GGCGACAGCC | GCCCCGGCCT | CTGGGGGGCG | CCCGAGGCGG |
| | 148141 | AGGAGGCGCG | ACGCCGCTTC | GAGGCCTCGG | GCGCCCCGGC | GGCCGTGTGG | GCGCCCGAGC |
| | 148201 | TGGGCGACGC | CGCGCAGCAG | TACGCCCTGA | TCACGCGGCT | GCTGTACACC | CCGGACGCGG |
| | 148261 | AGGCCATGGG | GTGGCTCCAG | AACCCGCGCG | TGGTCCCCCG | GGACGTGGCG | CTGGACCAGG |
| | 148321 | CCTGCTTCCG | GATCTCGGGC | GCCGCGCGCA | ACAGCAGCTC | CTTCATCACC | GGCAGCGTGG |

| | | | | | | | |
|----|--------|-------------|------------|------------|------------|-------------|------------|
| | 148381 | CGCGGGCCGT | GCCCCACCTG | GGCTACGCCA | TGGCGGCCGG | CCGCTTCGGC | TGGGGCCTGG |
| | 148441 | CGCACGCGGC | GGCCGCCGTG | GCCATGAGCC | GCCGATACGA | CCGCGCGCAG | AAGGGCTTCC |
| | 148501 | TGCTGACCAG | CCTGCGCCGC | GCCTACGCGC | CCCTGTTGGC | GC GCGAGAAC | GCGGCGCTGA |
| 5 | 148561 | CGGGGGCCGC | GGGGAGCCCC | GGCGCCGGCG | CAGATGACGA | GGGGGTGCGC | GCCGTGCGCG |
| | 148621 | CCGCCGCACC | GGGCGAGCGC | GCGGTGCCCC | CCGGGTACGG | CGCCGCGGGG | ATCCTCGCCG |
| | 148681 | CCCTGGGGCG | GCTGTCCGCC | GCGCCCGCCT | CCCCCGCGGG | GGGCGACGAC | CCCGACGCCG |
| | 148741 | CCCGCCACGC | CGACGCCGAC | GACGACGCCG | GGCGCCGCGC | CCAGGCCGGC | CGCGTGGCCG |
| | 148801 | TCGAGTGCTT | GGCCGCCTGC | CGCGGGATCC | TGGAGGCGCT | GGCCGAGGGC | TTGACGCGCG |
| | 148861 | ACCTGGCGGC | CGTCCCGGGG | CTGGCCGGGG | CCCGGCCCGC | CAGCCCCCGG | CGGCCGGAGG |
| 10 | 148921 | GACCCGCGGG | CCCCGCTTCC | CCGCCGCCGC | CGCACGCCGA | CGCGCCCCGC | CTGCGCGCGT |
| | 148981 | GGCTGCGCGA | GCTGCGGTTT | GTGCGCGACG | CGCTGGTGCT | CATGCGCCTG | CGCGGGGACC |
| | 149041 | TGCGCGTGCG | CGGCGGCAGC | GAGGCCGCCG | TGGCCGCCGT | GCGCGCCGTG | AGCCTGGTTC |
| | 149101 | CCGGGGCCCT | GGGCCCCGCG | CTGCCGCGGG | ACCCGCGCCT | GCCGAGCTCC | GCGGCCGCGC |
| | 149161 | CCGCCGCGGA | CCTGCTGTTT | GACAACCAGA | GCCTGCGCCC | CCTGTGCGCC | GCGCGGGCCA |
| 15 | 149221 | GCGCACCGGA | CGCCGCCGAC | CGCTGGCGGG | CCGCCGCCGC | CTCCGCGCGC | CCCGGGGAGG |
| | 149281 | GGCGCAAGCG | CAAGAGTCCC | GGCCCCGGCC | GGCCGCCCGG | AGGCGGCGGC | CCGCGACCCC |
| | 149341 | CGAAGACGAA | GAAGAGCGGC | GCGGACGCCC | CCGGCTCGGA | CGCCCGCGCC | CCCCTCCCCG |
| | 149401 | CGCCCGCGCC | CCCCCTCCAC | CCCCCGGGGC | CCGAGCCCGC | CCCCGCCCAG | CCCGCGGCGC |
| | 149461 | CCCGGGCCGC | CGCGGCGCAG | GCCCCGCCGC | GCCCCGTGGC | CGTGTCGCGC | CGGCCCGCCG |
| 20 | 149521 | AGGGCCCCGA | CCCCCTGGGC | GGCTGGCGGC | GGCAGCCCCC | GGGGCCCAGC | CACACGGCGG |
| | 149581 | CGCCCGCGGC | CGCCGCCCTG | GAGGCCTACT | GCTCCCCGCG | CGCCGTGGCC | GAGCTCACGG |
| | 149641 | ACCACCCGCT | GTTCCTCCGT | CCCTGGCGAC | CGGCCCTCAT | GTTTGACCCG | CGGGCCCTGG |
| | 149701 | CCTCGATCGC | CGCGCGGTGC | GCCGGGCCCG | CCCCCGCCGC | CGAGGCCCGC | TCAGCGCGCG |
| | 149761 | GCGACGACGA | CGATAACCCC | CACCCCACAG | GGGCCGCCGG | GGGCCGCCCT | TTTGCGCCCC |
| 25 | 149821 | TGCGCGCCTC | GGGCCCGCTG | CGCCGCATGG | CGGCCCTGGT | GCGCCAGATC | CCCGACCCCC |
| | 149881 | AGGACGTGCG | CGTGGTGGTG | CTGTACTCGC | CGCTGCCGGG | CGAGGACCTG | GCCGGCGGCG |
| | 149941 | GGGCCCTCGG | GGGGCCGCCG | GAGTGGTCCG | CCGAGCGCGG | CGGGCTGTCC | TGCCCTGTGG |
| | 150001 | CGGCCCTGGC | CAACCCGGCT | TGCGGGCCGG | ACACGGCCGC | CTGGGCGGGC | AATTGGACCG |
| | 150061 | GCGCCCCCGA | CGTGTCGGCG | CTGGGCGCAC | AGGGCGTGCT | GCTGCTGTCC | ACGCGGGACC |
| 30 | 150121 | TGGCCTTCGC | CGGGGCCCGT | GAGTTTCTGG | GGCTGCTCGC | CAGCGCCGGC | GACCGGCGGC |
| | 150181 | TCATCGTGCT | CAACACCGTG | CGCGCCTGCG | ACTGGCCCCG | CGACGGGCCC | GCGGTGTGCG |
| | 150241 | GGCAGCACGC | CTACCTGGCG | TGCGAGCTGC | TGCCCGCCGT | GCAGTGCGCC | GTGCGCTGGC |
| | 150301 | CGGCGGCGCG | GGACCTGCGC | CGCACGGTGC | TGGCCTCGGG | CCGCGTGTTT | GGCCCGGGGG |
| 35 | 150361 | TCTTCGCGCG | CGTGGAGGCC | GCGCACGCGC | GCCTGTACCC | CGACGCGCCG | CCGCTGCGCC |
| | 150421 | TGTGCCGCGG | CGGCAACGTG | CGCTACCGCG | TGCGCACGCG | CTTCGGCCCC | GACACGCCGG |
| | 150481 | TGCCCATGTC | CCCGCGCGAG | TACCGCCGGG | CCGTGCTGCC | GGCGCTGGAC | GGCCGGGCGG |
| | 150541 | CGGCCTCGGG | GACCACCGAC | GCCATGGCGC | CCGGCGCGCC | GGACTTCTGC | GAGGAGGAGG |
| | 150601 | CCCACTCGCA | CGCCGCTTGC | GCGCGCTGGG | GCCTGGGCGC | GCCGCTGCGG | CCCGTGTACG |
| | 150661 | TGGCGCTGGG | GCGCGAGGCG | GTGCGCGCCG | GCCCCGGCCC | GTGGCGCGGG | CCCGGAGGGG |
| 40 | 150721 | ACTTTTGCGC | CCCGCGCCCT | CTGGAGCCCC | ACGACGACGC | CCCCCGCTG | GTGCTGCGCG |
| | 150781 | GCGACGACGA | CGGCCCGGGG | GCCCTGCGCG | CGGCGCCGCG | CGGGATTTCG | TGGGCTTCGG |
| | 150841 | CCACGGGCCG | CAGCGGCACC | GTGCTGGCGG | CGGCGGGGGC | CGTGAGGTTG | CTGGGGGCGG |
| | 150901 | AGGCGGGCTT | GGCCACGCCC | CCGCGGCGGG | AAGTTGTGGA | CTGGGAAGGC | GCCTGGGACG |
| 45 | 150961 | AAGACGACGG | CGGCGCGTTC | GAGGGGGACG | GGGTGCTGTA | ACGGGCCGGG | ACGGGGCGGG |
| | 151021 | GCGCTTGTGA | GACCCGAAGA | CGCAATAAAC | GGCAACAACC | TGATTAAGTT | TTGCAGTAGC |
| | 151081 | GTTGTTTTATT | CGAGGGGCGG | GAGGGGGCGA | GGGGCGGGAG | GGGGCGAGGG | GCGGGAGGGG |
| | 151141 | GCGAGGGGCG | GGAGGGGGCG | AGGGGCGGGA | GGGGGCGAGG | GGCGGGAGGG | GGCGAGGGGG |
| | 151201 | GGGAGGGGGC | GAGGGGCGGG | AGGGGGCGAG | GGGCGGGAGG | GGGCGAGGGG | CGGGAGGGGG |
| | 151261 | CGAGGGGCGG | GAGGGGGCGA | GGGGCGGGAG | GGGGCGAGGG | GCGGGAGGGG | GCGAGGGGGG |
| 50 | 151321 | GGAGGGGGCG | AGGGGCGGGA | GGGGGCGGAG | GGCGGGAGGG | GGCGAGGGGC | GGGAGGGGGC |
| | 151381 | GAGGGGCGGG | AGGGGCGGAG | GGGCGGGAGG | GGGCGAGGGG | CGGTGGTGGT | GCGCGGGCGC |
| | 151441 | CCCCGGAGGG | TTTGGATCTC | TGACCTGAGA | TTGGCGGCAC | TGAGGTAGAG | ATGCCCGAAC |
| | 151501 | CCCCCGAGGG | GAGCGCGGGA | CGCGCCGGGG | AGGGCTGGGG | CCGGGGAGGG | CTGGGGCCGG |
| | 151561 | GGAGGGCTGG | GGCCGGGGAG | GGCTGGGGCC | GGGGAGGGCT | GGGGCCGGGG | AGGGCTGGGG |
| 55 | 151621 | CCGGGGAGGG | CTGGGGCTGG | GGAGGGCTGG | GGCTGGGGAG | GGGGCGGTGG | TGTGTAGCAG |
| | 151681 | GAGCGGTGTG | TTGCGCCGGG | GTACGTCTGG | AGGAGCGGGA | GGTGC GCGGT | GACGTGTGGA |
| | 151741 | TGAGGAACAG | GAGTTGTTGC | GCGGTGAGTT | GTGCTGTGTA | GTTGTGTTGT | TGGCAGGTTG |
| | 151801 | TGGTGGATGA | CGTGACGTGT | GACGTGCGGA | GTGCGCCGTG | CTCTGTTGGT | TTACCTGTG |
| | 151861 | GCAGCCCCGG | CCCCCGCGCG | GCGCGCGCGC | GCGCAAAAAA | GGCGGGCGGC | GGTCCGGGCG |

151921 GCGTGCGCGC GCGCGGCGGG CGTGGGGGGG GGGGCCGCGG GAGCGGGGGG AGGAGCGGGG
 151981 GGAGGAGCGG GGGGAGGAGC GGGGGGAGGA GCGGGGGGAG GAGCGGGGGG AGGAGCGGGG
 152041 GGAGGAGCGG GGGGAGGAGC GGGGGGAGGA GCGGGGGGAG GAGCGGGGGG AGGAGCGGGG
 5 152101 GGAGGAGCGG GGGGAGGAGC GGGGGGAGGA GCGGGGGGAG GAGCGGGGGG AGGAGCGGGG
 152161 GGAGGAGCGG GGGGAGGAGC GGCCAGACGC CGAAAACGGG CCCCCCCCAA AACACACCCC
 152221 CCGGGGGTCTG CCGCGGCGCC TTAAAGCGG TGGCGGCGGG C

HUMAN HERPESVIRUS 2 (SEQ ID NO:110)

10 1 AGTCCCCGTC CTGCCGCGCG GGGCGGGGCG CGGGAACAAA GCCGCGCGGG GGCGCCCGCG
 61 GGAAGGCAGC CCCGCGGCGC GCGGGGGGAG GGGCGGCGCC CGCGGGGGAG CGGCCGGCTC
 121 CGGGGGAGGG ACGGGGAAGG GGGCGCGCGG GGCTGCCCTG CCGCCCGCCC GCCGCGCGCG
 181 CCCGCCCTTCG CGCCCCCCCC CAAAAACAC CCCCCCGGG GGTGACTCC CCGGGGGAAA
 241 AGAGGCGGGG CGGGAGTCCC CGTCCCTGCC CCGCCCTTA AGAGGGCCCG CAACACGGCC
 301 CGGGCTGCGC ACGCCAGCCG GGACGGGTGA GTTCGCTAGG CAAGCACGGA CTGGCGGTGA
 15 361 CACGTGCATG CGTGCCGAGT GAACTCTCCC GCCCGACGC GCTCCGGCTC CGGGCCTACG
 421 CCGAGCCCAG CCGCCCGCCA TGTCCCGCCG CCGGGGTCCC CGCCGCCGGG GTCCCCGGCG
 481 CCGGCCGCGC CCGGCGCTC CAGCCGTGCC GCGCCCCGGC GCTCCAGCCG TGCCGCGCCC
 541 CGGCGCGCTC CCAACCGCAG ACTCCCAAAT GGTCCCTGCG TACGACTCGG GAACCGCGGT
 601 CGAGAGCGCG CCGGCCGCGT CTTGCTCCT GCGGCGCTGG CTGCTGGTGC CCCAGGCGGA
 20 661 CGACAGCGAC GACGCGGACT ACGCCGGCAA CGACGACGCA GAGTGGGCGA ACAGCCCCC
 721 GAGCGAGGGG GGGGGGAAGG CGCCGAGGC CCGCACGCC GCGCTGCCG CGCCTGCC
 781 CCCGCCGCGC CCGCGCAAGG AGCGCGGGCC GCAGCGCCCC CTTCGCCCC ACCTGGCGCT
 841 ACGGCTGCGC ACCACGACGG AGTACCTGGC GCGCCTGAGC CTGCGCCGGC GCGGCGCCCC
 901 CGCGTCCCCG CCGCGGACG CCGCGCGCGG GAAGGTACGC TCCCCCTCG ACCCCTGAC
 25 961 GCCCCTCCGA CCCCTGACG CCCCTCCGAC CCCCTGACGC CCTCCGACC CCCTGACGCC
 1021 CCTCCGACCC CCTGACGCCC CTCCGACCCC CTGACGCCCC TCCGACCCCC GTGTCTCCCC
 1081 GCCCGCAGGT GTGCTTCTCG CCGCGCGTGC AGGTGCGCCA TCTGGTGGCC TGGGAGACGG
 1141 CCGCGCGCCT GGCCCCGACG GGGTCTTGGG CGCGCGAGCG GGCCGACCGC GACCGGTTCC
 1201 GGCGCCGCGT GGCGGCGGCC GAGGCGGTCA TCGGACCGTG CCTGGAGCCC GAGGCCGAG
 30 1261 CTCGGGCCCC AGCCCCGACC CGGGCCACG AAGACGGCG ACCCGCGAG GAGGACGAGG
 1321 CGGCGGCGGC GCGCGCGGG TCCTCCGCC CGCGGGGCC GGGCCGTCCG GCGGTCTAGG
 1381 GTTGAACCGG CGAGGGCGGC CTCGGCCGGC GGAGCCCCG AGCTCCGAAG GTCTGCGCGA
 1441 GGCGCTCTC CGAAGAGACG ATGGGAGCCC CGCGTATATA TCCGCGAGGG CCGGCGCCG
 1501 CCGCGCCGCT CCGCCCGCCC CAGGGGGCGG CGCCGGCCAA CCGCGCGCCG CCGCGCGGGC
 35 1561 CCGGACTCCG CCGGCGGAC CGCCCCGCG CGGCTTCCCG GTATGGTAAT TAGAACTTT
 1621 TAATAGGCGG TCCCGGCCGC CATCCCCCG CATGGTAATT AGCAACTTTT AATGGGCCGG
 1681 CGTTCCCGCT CGCGGTAATT AGCAGCTTTT AACGGGCCCG CATTCGCGT TATGGTAATT
 1741 AAAAACGTTT GGACGGCCCC TCGTCCCCG CGTAATTACT CCTCGGGT TCCGGGTTAT
 40 1801 GCTGATTACT TTCTTGGCAG AACACGAGA GCCTCGCGG CCGCGCGGTG GGTGGGCTGA
 1861 TCGGACCTTA TTGTTCCCT GGGTTTCTA GTATGCTAAT GAATTTTTTC CCGGGGGCGG
 1921 GCACCACTCA GGGCCGCGCC GCGGGGGCG CCGGGGGACT CCCATCTGCG TCGGCGGGGG
 1981 GCGGCGCATG CTAATGGGGT TCTTGGAGTA CACCCGGTTG GTCCCCGGG ACGGGGCCGC
 2041 CCGAGAGGGG GGGGATTCCC TCCCTCCGCC CCGCCGGGG CGCGCGGCTA TTGGGGGAAT
 2101 CGTAAATGCC GCCCTTTTGG GGGAGTGGAT AGGCGCCGG TATAAGGCAG CCCCCTGTGA
 45 2161 CGGTGCGGGC GCATTGCGAC CCGGCACTG CGAGCGACGG AGCGGCGGCC CGGCGGGAGG
 2221 AGGAGACCCG GAGAGACAGA GACTAAAACC CGGCAAGAGA GAGACGCGG GCCGCCGTCT
 2281 CGAGTCTACC CTACCCCGGC TCATGGAACC CCGGCCCGGC ACGAGCTCC GGGCGGACCC
 2341 CGGCCCCGAG CGGCCGCGC GGCAGACCCC CGGCACGGTG AGAGGGCGAC CCCCGGTCT
 2401 CAGGCCCCC CTTTTCCCC GACCACCCG CTGCGGGTTG GGGGTGGTTC GGGCGGTGG
 50 2461 GCTCGGGGGC GGGGACGCTT GACGGGGCCG ACCCCCGGCC CGCTTAAGCG GTCGGGGGAC
 2521 CCGCGTGGGC CGTGCGCCGC CCCCCGACC TCTGGGGGG CGAGGGAGGC AGGGAGGAGC
 2581 CCGAGAGCGG GGGACAGGGG GGGAGACGAG GGGTCGGAAT CCAAAGGACG CAGACCACCT
 2641 TTGGTTACGG ACCCTTTTCT CCCCCCTTC CGAACAAAA GCAGCGGGCG GGGGGCCGGG
 2701 GTGAGGGAGG GACACGGGGG ACACGGCGCG GGGGTCCCG CTCACGCCCC GCGCCCTCTA
 55 2761 AATCCCCCCC GTTGCTTTGT CAAGCAGCCC GCCGCCCGC ACGCCTGGG GATGCTCAAC
 2821 GACATGCAGT GGTCTGCCAG CAGCGACTCG GAGGAGGAGA CCGAGGTGG AATCTTGAC
 2881 GACGACCTTC ACCGCGACTC CACCTCCGAG GCGGGCAGCA CGGACACGGA GATGTTGAG
 2941 GCGGGCCTGA TGGACGCGGC CACGCCCCCG GCCCGGCCCG CGGCCGAGCG CCAGGGCAGC
 3001 CCCACGCCCC CCGACGCGCA GGGATCCTGT GGGGTGGGC CCGTGGGTGA GGAGGAAGCG

| | | | | | | | |
|----|------|------------|------------|-------------|------------|------------|------------|
| | 3061 | GAAGCGGGAG | GGGGGGGCGA | CGTGTGTGCC | GTGTGCACGG | ACGAGATCGC | CCCGCCCCTG |
| | 3121 | CGCTGCCAGA | GTTTTCCCTG | CCTGCACCCC | TTCTGCATCC | CGTGCATGAA | GACCTGGATT |
| | 3181 | CCGTTGCGCA | ACACGTGTCC | CCTGTGCAAC | ACCCCGGTGG | CGTACCTGAT | AGTGGGCGTG |
| 5 | 3241 | ACCGCCAGCG | GGTCGTTTCA | CACCATCCCC | ATAGTGAACG | ACCCCGGGAC | CCGCGTGGAG |
| | 3301 | GCCGAGGCGG | CCGTGCGGGC | CGGCACGGCC | GTGGACTTTA | TCTGGACGGG | CAACCCGCGG |
| | 3361 | ACGGCCCCGC | GCTCCCTGTC | GCTGGGGGGA | CACACGGTCC | ACGCCCTGTC | GCCCACCCCC |
| | 3421 | CCGTGGCCCC | GCACGGACGA | CGAGGACGAT | GACCTGGCCG | ACGGTGAGGG | CGGGCGGGGG |
| | 3481 | TCGGGCGGGG | GGCGGGCGGG | GGTCGGGCGG | GGGTCGGGCG | GGGGTCGGGC | GGGGGTCGGG |
| | 3541 | CGGGGGTTCG | GCGGGGGTTC | GGCGGGGGTC | GGGCGGGGGT | CGGGCGGGGG | TCGGGCGGGG |
| 10 | 3601 | GTCGGGCAC | AACCGGGGGC | TCCCGTCTCT | GTCTCCCTCT | GCAGTGGACT | ACGTCCCGCC |
| | 3661 | CGCCCCCGA | AGAGCGCCCC | GGCGCGGGGG | CGGCGGTGCG | GGGGCGACCC | GCGGAACCTC |
| | 3721 | CCAGCCCGCC | GCGACCCGAC | CGGCGCCCCC | TGGCGCCCCG | CGGAGCAGCA | GCAGCGGCGG |
| | 3781 | CGCCCCGTTG | CGGGCGGGGG | TGGGATCTGG | GTCTGGGGGC | GGCCCTGCCG | TCGCGGCCGT |
| | 3841 | CGTGCCGAGA | GTGGCCTCTC | TTCCCCCTGC | GGCCGGCGGG | GGGCGCGCGC | AGGCGCGGCG |
| 15 | 3901 | GGTGGGCGAA | GACGCCGCGG | CGGCGGAGGG | CAGGACGCCC | CCCGCGAGAC | AGCCCCGCGC |
| | 3961 | GGCCCAGGAG | CCCCCATAG | TCATCAGCGA | CTCTCCCCCG | CCGTCTCCGC | GCCGCCCCGC |
| | 4021 | GGGCCCCGGG | CCGCTCTCCT | TTGTCTCCTC | CTCTCCCGCA | CAGGTGTCTT | CGGGCCCCGG |
| | 4081 | GGGGGGAGGT | CTGCCACAGT | CGTCGGGGCG | CGCCGCGCGC | CCCCGCGCGG | CCGTGCGCCC |
| | 4141 | GCGCGTCCGG | AGTCCGCCCC | GCGCCGCCGC | CGCCCCCGTG | GTGTCTGCGA | GCGCGGACGC |
| 20 | 4201 | GGCCGGGCCC | GCGCCGCCCC | CCGTGCCCGT | GGACGCGCAC | CGCGCGCCCC | GGTCGCGCAT |
| | 4261 | GACCCAGGCT | CAGACCGACA | CCCAAGCACA | GAGTCTGGGC | CGGGCAGGCG | CGACCGACGC |
| | 4321 | GCGCGGGTCC | GGAGGGCCCG | GCGCGGAGGG | AGGACCCGGG | GTCCCCCGCG | GCACCAACAC |
| | 4381 | CCCCGGTGCC | GCCCCCACG | CCGCGGAGGG | GGCGGCGGCC | CGCCCCCGGA | AGAGGCGCGG |
| | 4441 | GTCGGACTCG | GGCCCCGCGG | CCTCGTCCTC | CGCCTCTTCC | TCCGCGCCCG | CGCGCTCGCC |
| 25 | 4501 | CCTCGCCCCC | CAGGGGCTGG | GGGCCAAGAG | GGCGGCGCCG | CGCCGGGCCC | CGGACTCGGA |
| | 4561 | CTCGGGCGAC | CGCGGCCACG | GGCCGCTCGC | CCCGGCGTCC | GCGGGCGCCG | CGCCCCCGTC |
| | 4621 | GGCGTCTCCG | TCGTCCAGG | CCGCGGTCGC | CGCCGCTTCC | TCCTCTCCG | CCTCTCTCTC |
| | 4681 | CTCCGCCTCC | TCCTCTCCG | CCTCTCTCTC | CTCCGCTTCC | TCCTCTCCG | CCTCTCTCTC |
| | 4741 | CTCCGCCTCC | TCCTCTCCG | CCTCTCTCTC | TGCGGGCGGG | GCTGGTGGGA | GCGTCGCGTC |
| 30 | 4801 | CGCGTCCGGC | GCTGGGGAGA | GACGAGAAAC | CTCCCTCGGC | CCCCGCGCTG | CTGCGCCGCG |
| | 4861 | GGGGCCGAGG | AAGTGTGCCA | GGAAAGACGCG | CCACGCGGAG | GGCGGCCCCG | AGCCCGGGGC |
| | 4921 | CCGCGACCCG | GCGCCCGGCC | TCACGCGCTA | CCTGCCCATC | GCGGGGGTCT | CGAGCGTCGT |
| | 4981 | GGCCCTGGCG | CCTTACGTGA | ACAAGACGGT | CACGGGGGAC | TGCGTGCCCG | TCCTGGACAT |
| 35 | 5041 | GGAGACGGGC | CACATAGGGG | CCTACGTGGT | CCTCGTGGAC | CAGACGGGGA | ACGTGGCGGA |
| | 5101 | CCTGCTGCGG | GCCGCGGCCC | CCGCGTGGAG | CCGCGCACAC | CTGCTCCCCG | AGCACGCGCG |
| | 5161 | CAACTGCGTG | AGGCCCCCCG | ACTACCCGAC | GCCCCCGCG | TCGGAGTGGA | ACAGCCTCTG |
| | 5221 | GATGACCCCG | GTGGGCAACA | TGCTCTTTGA | CCAGGGCACC | CTGGTGGGCG | CGCTGGACTT |
| | 5281 | CCACGGCCTC | CGGTGCGGCC | ACCGTGGTTC | TCGGGAGCAG | GGCGCGCCCG | CGCCGGCCCG |
| | 5341 | CGACGCCCCC | GCGGGCCACG | GGGAGTAGGG | GGAGCTAACA | CTCGGCTTGC | TGCCCAGAGG |
| 40 | 5401 | AAGCCGCCCC | CCACCGGACC | ACCGGCCGAG | GCGCCTCGGG | GGCAGGGGGA | GGTGGGGGGG |
| | 5461 | GGGAAAGACG | GGGAGGAGAC | AGGAAGTGGG | GGTGGGAGTG | GGGGGGGGGG | ACGGACACGG |
| | 5521 | CCCCGAACAG | CAACACACAC | CAGCATTTTG | TTATGGACTT | TCTGGCCTTG | TTGAAAACCT |
| | 5581 | GAGGAAAAAA | AAAACCTTAT | ATTTATAAAA | ATTTTACAAT | AAAGTTTTTG | GATGCTTTTG |
| | 5641 | ACACACTTTG | TTGTTGGCCT | TTGATGCAGC | TCCCCCGCGC | AGGGGGGCGG | GGGATGGGGG |
| 45 | 5701 | GGAAGGGAGG | AGGAGGAGGG | GGGGCGGGCA | CGAGAAGCCG | CCCCCACCCC | CGAGGCCTGT |
| | 5761 | TGGTCTTTAT | CATAGAACAG | AGCCGGGGCC | CGGCCTCGTT | CTGGCTCCCT | GTCTTGTTGG |
| | 5821 | GTGGGCGGGC | TGGCTGGCGG | GTAAAAAAG | AGTGTGTCCG | TGTTGACAGG | GAGGGGGGCC |
| | 5881 | CGATCGTGCA | GAGCACGCAC | GTCTGGCCCG | CCAGACCCTG | GGGGTGGTGG | GCAGGAGTGG |
| | 5941 | GAGGGCGCCT | GGCTCGGGGA | GGGAGGAGGG | GGGGGGTCAG | CCGCACCACC | GGCGCGAAGC |
| 50 | 6001 | CAGGGGCCAG | GGAACCTTGA | TAGAGAGGGG | GGAAAGTGGG | GCGGGGGCGA | GGGCGGTTGA |
| | 6061 | ATCACAACGC | ATGCACGCCC | TCTCCCCCGG | GGGACGGGTG | GGGAGAGGAA | GGAGGGAGAA |
| | 6121 | GAGGAAGACC | GAGGCATGCA | CCGCACTTAA | CGCCCGTGCC | CACCCCGGCC | CCGGCGCCCA |
| | 6181 | CCCCGCCCGC | ACACCTGCCC | GCCACGCCCC | CCCCTCCTCA | CCCTGGCTGG | GAGAAAGGAG |
| | 6241 | GAGGAGCAGG | AAGAGGAGAC | CCGAGGCATG | CAACCGCACT | CACCCACACC | CGCCCGCACA |
| 55 | 6301 | CCTGCCCGCC | ACGCCCCGCC | CTCCTTACCC | TGGCTGCGGG | GAGACTCCCA | TCGGGGCGAG |
| | 6361 | GGGGCTCGCG | CGTTCGCAAC | ACCACACCAC | ACCACACGGC | CCACCACAAC | ACGGCCCAAC |
| | 6421 | ACGACACAAC | ACGACACGAC | GCGTTTTGCG | GGGCATGCAA | GTCGACACAC | CGCGCGCGTG |
| | 6481 | CCTACCTTTC | CCTAGCGGCC | CCGGCCCCCG | GCCCCGTTTC | TTCCGCCACC | ACTACCACCA |
| | 6541 | CCCCCCCCGC | CGCGCCACG | CGGTAGAGGA | AGGGGACGGG | CGCCACACCC | ACGGCTGTGG |

| | | | | | | | |
|----|-------|------------|------------|------------|-------------|-------------|------------|
| | 6601 | CCGGGCACGC | GCCTTTGGGG | TTGTTGGGGG | GGGGTGACCG | GCGCGTGGGG | GCGGTGGGCG |
| | 6661 | TACGGGCCCG | ACCCGCGCCT | GCCCCCCCG | GAACGACGAC | GGGGGGGGGG | GAAACGGGGG |
| | 6721 | TGGGTGGAAG | GGAAGAGGAA | GGAGAAAGGG | GGGGTGGATC | CGAACACGCC | GGATCCGCGA |
| 5 | 6781 | AAATAATAAC | AAAACAAACA | AAAACAGAAA | CAAAAACAAA | AACACCTAGA | AAAAAAGGAT |
| | 6841 | ACGGGTGGC | TCGCGGGCGG | TGCGGCTGAC | CTGCCCTGCC | TTTCTGGGAC | CCCCGCCTCG |
| | 6901 | TGTTTCTTGA | AAGGGGGAGG | AAGAACAGTT | CTCCCCCAAC | CCCTGCTCTC | TTCTCTCTTC |
| | 6961 | CGCCCGCCCC | CCCCCCTCT | CCCCGCCGCG | TCAGCAGAAG | CTCACCTGTA | CGACCCTAAA |
| | 7021 | CCTACCTGCG | AGAACGCGCG | GCCTTCGAGG | GGCGCGCTCT | CTCACACGAG | ACACACGCGA |
| | 7081 | GCGCCCCCCC | CCCCCGGAGC | CTGGGTCCCC | CGGCGGACGG | CTCACGCGGC | GCGGCGTCTC |
| 10 | 7141 | GGTGGGACGC | GGGCAAAGGG | CGGCGGCGGC | GGGGGGGGGG | GGGGGAAATG | TGAGGAGAGC |
| | 7201 | GAGACAGAGA | GAGAGAAGGA | AGAGGGAAGG | GGCGCGGCGG | GACGGGGGAA | GACGAGGAGA |
| | 7261 | AGGGAAGGGG | CGAGGGTTCG | GCCCCGGAGC | GGGGCGGCC | GGGAGGGAGA | AGAAACGGAA |
| | 7321 | CGCGGAAACG | CCGCCGGCGC | GGCCCCGGGG | CCCGGGGCC | CCGCGCTCCG | CCGGGGGCC |
| | 7381 | GGGCCGGACC | GCCGGGCGGG | GGACGCCTTC | CGCCCGGCGC | CGGGCGGCTA | CCCGGGACCC |
| 15 | 7441 | CCGGCCGGGA | ATCGAAAAA | GCCTCCGGGG | GCCCCCTTCG | CGCCTTTCGC | GAACGCGCGG |
| | 7501 | CGCCGGAGGG | GGCGGCCGCG | GAGGTGCGGG | GGCCCCTCG | GGCGGGCGCG | ACCTCGGCGG |
| | 7561 | CCAAGCCCCG | GCCCCCGCG | GGGTCCCCGA | GGCAAGAGGC | GGAACCTCGG | AGGCGCGGAA |
| | 7621 | GAAGACGGGA | GGCGGGGGAA | AAAAGGGGGA | AGAGAGGGGG | AGGTAGGGAG | GGGAGAGGAG |
| | 7681 | AAGGGCGCGC | CGGTGCGCGG | AGCAGCCTTC | CTTCTCCGGA | GTCCCTCTCG | ATCGGCGGCG |
| 20 | 7741 | GGCCCTGCG | TTCGTTGCTG | CCGCGCCCC | GGTTTTATAA | AGACAGGGAT | GACGAGCAG |
| | 7801 | AAATGCCCAC | AGCAACACGC | GGGCGGGGCT | CGGGCTCTCC | GGCGGCTTAA | TGGATCTCCG |
| | 7861 | GGCACGGCGC | CCGCAACCGC | AGAGCACTCA | GCTGGCGCGC | CCCCCCCCAA | CGTGGGAGTG |
| | 7921 | TTTAATGGAA | GGGCGTGGGG | CCGGCCGCCG | GATGCCCGCG | GGGGCCTAAT | GCGGCGGGAG |
| | 7981 | CGCTGGGCCG | CTGGCGCCCG | GGCCCGTCTG | CTGGCCCGCG | GCCCGTCTGC | TGGCCCGCGG |
| 25 | 8041 | CCAGCTAAAC | AATGACACAG | GGGTCTCTC | CGCCGCGGCC | GGCGGGGCTC | GGGGGCTCCG |
| | 8101 | CGGCCCGGCC | CCGGAGCCCG | CGGCGCTGCT | CGGCTGCGGC | CGCGGGCTCC | GGGGGCTCCG |
| | 8161 | CACTCTGCCC | GGCTCGCCCC | GTCCCCCTCT | TTGCTGCTTT | TCCGCGCGCC | TCTCTTTCCC |
| | 8221 | GTTGCTTTCC | CTCTCCCCC | CCCCCCTCT | CTCTCTCTCT | CTCTCTCTCT | CCGCCATCCT |
| | 8281 | CCCGCCCGGC | CGCCCACTCC | CCGCTCGGCC | TCTCCGGCTG | CGGTGCTTGG | GTCTCCTTCG |
| 30 | 8341 | TCGGGCGGCG | GGGGGGGGGC | GTGCGGACTC | GCGGAGGGCC | GGAGAATGGA | AGGCGAGGGG |
| | 8401 | ATGCAGGAGG | AGGATCGGGA | CTCCCCATCT | TCTGCCCTTC | CATCCTCCGT | TTTTCGCTTC |
| | 8461 | TCCACCGCCG | CCGCCACCAC | CCCCCCTTCC | TTCGCCCGCC | CGCCTCGCCC | CGGACCCCTC |
| | 8521 | CCCCCGGTGT | TCCCCCATC | GTTCAACCAC | ACGCCCCCA | CCGCGCCTTG | GCTGTTTGGG |
| 35 | 8581 | GGGTGGCGGC | GGTGGTCGGC | GTGCTGCCGG | AGGCTGCGGG | CGCGGGTAG | GCTGGTGGGC |
| | 8641 | GGGTGGTGGG | GGGGGGCCCG | GCTGCGTCTC | GCCGCGATCC | CGCCGGTGGG | GCGGCGCGGC |
| | 8701 | GGTCGGGGTG | GGGGGAGAGT | GTGCTGGGTG | TGTTTTCGTG | TCCCCACCA | CCACTCCAC |
| | 8761 | CCCGACCGCC | GCCGCGCCCG | CGTTTCTGCC | GCCGCGCGC | TCCTGTGTGG | ACCCCGGGGT |
| | 8821 | GGGCGGCGGG | GGGGGGTGCC | GTGGGTGTGG | CGGCGGGGCG | CGGGCCGGGG | CCGGGGCTCG |
| | 8881 | CTGGTCCGCC | GAAGTAAAGA | AAAGATCGCC | ACCGTGTGTT | CGTCTGTGTG | TTCTGCGCGG |
| 40 | 8941 | CGCCGGGGCC | CCCCTGCCCG | GCGGGGCGGT | GGGGCGGGGT | CGGGGTGCGG | GCGGGGAAGG |
| | 9001 | AAGGAAAGAC | CCCGGAAGCG | CCGGGAGGGG | GCGCCGGCGC | GACGCGGGCG | GCCGGGCGGG |
| | 9061 | GGCGCGCGGC | GGCCGGGCGG | GGGCGCGCGG | CGGCCGGGCG | GGGGCGCGCG | GCGGCCGGGC |
| | 9121 | GGGGGCGCGC | GGCGGCCGGG | CGGGGGCGCG | CGGCGGCCCG | GCGGGGCGCG | CGGCGCGCCG |
| | 9181 | GGCGGGGGCG | CGCTTTCCCC | GCGTCGCCCC | TCGGGTTCCT | AAGACCTATC | ACGTGTGCGC |
| 45 | 9241 | AGGGGAGGGG | AGGACGCGGG | GGAGGGGAGG | ACGCGGGGGA | GGGGAGGACG | CGGGGGATAT |
| | 9301 | ATAAAGCGGT | AGAAAGCGCG | GGAATGGGCA | TATTGGACCC | GCGTGATTCTG | GTTGCTCGCG |
| | 9361 | GTTGTCTTGT | TTGGACGTTT | TTTATGCGGG | AACAAGGGGG | CTTACCGGTT | ACACTGTCCG |
| | 9421 | CTCGCTATGG | GTTTCGTCTG | TCTGTTTGGG | CTTGTCTGTTA | TGGGAGCCTG | GGGGGCGTGG |
| | 9481 | GGTGGGTCAC | AGGCAACCGA | ATATGTTCTT | CGTAGTGTTA | TTGCCAAAGA | GGTGGGGGAC |
| 50 | 9541 | ATACTAAGAG | TGCCTTGATC | GCGGACCCCC | GCGGACGATG | TTTCTTGGCG | CTACGAGGCC |
| | 9601 | CCGTCCGTTA | TTGACTATGC | CCGCATAGAC | GGAATATTTC | TTCTGCTATCA | CTGCCCGGGG |
| | 9661 | TTGGACACGT | TTTGTGGGA | TAGGCACGCC | CAGAGGGCGT | ATCTGGTTAA | CCCCTTTCTC |
| | 9721 | TTTGCGGCGG | GATTTTGGGA | GGACTTGAGT | CACTCTGTGT | TTCCGGCCGA | CACCCAGGAA |
| | 9781 | ACAACGACGC | GCCGGGCCCT | TTATAAAGAG | ATACGCGATG | CGTTGGGCAG | TCGAAAACAG |
| 55 | 9841 | GCCGTCAGCC | ACGCACCCGT | CAGGGCCGGG | TGTGTAAACT | TTGACTACTC | ACGCACTCGC |
| | 9901 | CGCTGCGTCG | GGCGACGCGA | TTTACGGCCT | GCCAACACCA | CGTCAACGTG | GGAACCGCCT |
| | 9961 | GTGTCGTGCG | ACGATGAAGC | GAGCTCGCAG | TCGAAGCCCC | TCGCCACCCA | GCCGCCCGTC |
| | 10021 | CTCGCCCTTT | CGAACGCCCC | CCCACGGCGG | GTCTCCCCGA | CGCGAGGTCTG | GCGCCGGCAT |
| | 10081 | ACTCGCCTCC | GACGCAACTA | GCCACGTCTG | CATCGCAAGC | CACCTTGGGT | CGGGAGCAGG |

| | | | | | | | |
|----|-------|------------|-------------|------------|------------|-------------|-------------|
| | 10141 | ACAGCCGACC | CGTCTAGCGG | CCGGGTCGGC | TGTCCAGCGT | CGTCGCCCTA | GAGGCTGTCC |
| | 10201 | GCCGGGCGTG | ATGTTTTCCG | CATCTACGAC | CCCCGAACAG | CCCCTGGGGC | TGTCGGGCGA |
| | 10261 | TGCGACGCCG | CCCCTGCCGA | CTTCCGTGCC | CCTGGACTGG | GCCGCGTTTC | GGCGCGCGTT |
| 5 | 10321 | TCTGATCGAC | GACGCCTGGC | GGCCCCGTGT | GGAGCCGGAG | CTCGCGAACC | CCCTAACCGC |
| | 10381 | GCGCCTCCTC | GCGGAGTATG | ACCGTCGGTG | CCAGACCGAA | GAGGTGCTGC | CGCCGCGGGA |
| | 10441 | GGATGTGTTT | TCCTGGACGC | GGTATTGTAC | CCCCGACGAC | GTGCGCGTGG | TTATCATCGG |
| | 10501 | GACGAGCCCG | TACCACCATC | CCGGCCAGGC | GCACGGCCTG | GCGTTTAGCG | TGCGTGCGGA |
| | 10561 | TGTGCCGGTG | CCTCCGAGTC | TACGGAACGT | GCTGGCGGCG | GTTAAAAATT | GTTACCCCGA |
| | 10621 | CGCGCGCATG | AGCGGCCGCG | GCTGCCTGGA | AAAGTGGGCT | CGCGACGGCG | TGCTGTTGTT |
| 10 | 10681 | GAACACGACC | CTGACCGTCA | AGCGCGGGGC | GGCGGCGTCC | CACTCCAAGC | TTGGATGGGA |
| | 10741 | CCGTTTTGTG | GGCGGGGTGG | TCCAACGGCT | GGCCGCGCGC | CGCCCGGGCC | TGGTCTTTAT |
| | 10801 | GCTCTGGGGC | GCCCATGCCC | AGAACGCGAT | CAGGCCCGAC | CCTCGCCAAC | ACTACGTCCT |
| | 10861 | CAAGTTTTCT | CACCCGTGCG | CCCTCTCCAA | GGTCCCCTTT | GGGACGTGCC | AGCATTTCCCT |
| | 10921 | CGCCGCGAAT | CGCTACCTCG | AAACCCGGGA | CATTATGCCG | ATCGACTGGT | CGGTATAAGA |
| 15 | 10981 | TGCCGACATC | CGGGGTCTTG | ATTTACGAGG | GGGCAATTAA | TAAAGACTGT | TGATGGTTAA |
| | 11041 | ATCTCGGGTC | TCATACCGGT | CCGTGATGTC | GGGCGTGGGG | GAAGAGAGGC | TCCCTCTGCG |
| | 11101 | GTTTACTATC | CTTGCCCTCGT | GGGGCTGGAC | GTTTGACACC | CAGAACCATG | ATCCTGGCGC |
| | 11161 | GTCGCCGAAT | ACGACGCCCA | TAGAGTCGAT | TGCGGGGACC | GCACCGGACG | CGCACGTGGG |
| | 11221 | GCCTCTCGAC | GGAGAGCCGG | ACCGGGATGC | GATCTCCCCG | CTTACGTGCA | GCGTGGCCGG |
| 20 | 11281 | CGACCCGCCG | GGGGCGGACG | GCCCCCTACG | CACCTTTGAT | ACTCTGTTTA | TGGTATCTTC |
| | 11341 | GATCGACGAA | CTGGGGCGCC | GCCAGCTCAC | GGATACGATC | CGTAAGGACC | TGCGGCTGTC |
| | 11401 | GCTGGCCAAG | TTCAGCATCG | CGTGTACCAA | GACCTCGTCG | TTTTTCGGGG | CGGCCGCGCG |
| | 11461 | CCAGCGCAAG | CGCGGAGCAC | CGCCGCAACG | CACATGCGTA | CCACGCAGCA | ACAAGAGCCT |
| | 11521 | CCAGATGTTT | GTTTTGTGCA | AGCGCGCCAA | CGCCGCGCAG | GTGCGCGAGC | AGTCGCGGGC |
| 25 | 11581 | GGTTATTTCG | TCGCGCAAGC | CGCGCAAGTA | TTACACGCGG | TCCTCGGATG | GGCGGCTCTG |
| | 11641 | CCCGGCCGTC | CCCGTGTTTG | TACACGAGTT | TGTTTCGTCC | GAACCCATGC | GCCTCCATCG |
| | 11701 | AGATAACGTC | ATGCTGTCTA | CGGAACCAGA | CTAAGCACCC | CCGCCGTCCC | CTTCTTTTTTC |
| | 11761 | CCCCTACCCT | TCCCCCGTTA | CTGATGTGTT | GTACGTTTCA | ATAAATAACA | CGTAGCTTAT |
| | 11821 | TTTGTGGGAT | GATGGATTGA | TTGATTTTAT | TGACCGTTTC | TTCCGCCGGC | GGTGCCGTCG |
| 30 | 11881 | CCGCGCGCAG | AGGGAATATG | CAAGCGGGCG | GGGTGGGGAG | GAAAGAAGGT | TTCAGGTTCC |
| | 11941 | GGGGGTTGGG | TCTGCGTCGT | CCAGGGTGGG | GCTGATCTGA | ATTTCCCGCA | GAACCTCGAC |
| | 12001 | CAGTAGGTCT | GTTGTGTTTG | CTGGGAACCT | GCCCGCCGTT | GGGGATACGG | GGGCGGGGGG |
| | 12061 | TGTGTCTGGG | CGGACGTCCA | GGGGTGCGTT | ATCGCACCCC | CGCGCCGCCCT | CGGGGGCCGT |
| | 12121 | CCCGTAGATC | GTTGCGGTGA | TGTAGATGGT | TGCCGGGGTC | CACACCACCT | TCAGGATGCC |
| 35 | 12181 | GGCCGTGCGA | CTCCGGACGC | TTTCGCCGTG | CGATGAGCTG | ACCCAGGAGT | CAAAGGGGTA |
| | 12241 | CGCGTACATA | TGGGCGTCCC | ACCAGCGCTC | CAGCCTCTGG | GTAAGTACGC | GTCCTATAAA |
| | 12301 | GCGGTATGCG | CAAATTCGG | CACGACAGTC | GATAATCACC | AGCAGCCCCA | TGGGGGTGTG |
| | 12361 | TTGTATCACC | ACGCCTCCGC | GGGGCAGGCG | GTCTTGCGCG | GCTCGACCCC | GCGTCAGAAC |
| | 12421 | CGCGCGCGTC | CCTGACTCAA | ACACGTGCAC | CACCTGTGCC | GCGTCCGGCA | GCGCGCTCGT |
| 40 | 12481 | TAGCGACGCC | CTGGGGTGAT | GTAGGCTGTA | CGCGATGGTC | GTCTGGGGGT | TCCCCATGTC |
| | 12541 | TCGGGGGGGT | GGGGGTGAAT | GTCACCCGGC | CCGGGTGCGG | TGGGAACGCG | AGGGAATGGA |
| | 12601 | GGGTTAATAG | ACAATGACCA | CATTTCGATC | GCGTAGAGCA | GATAGTATGT | GCTCGCTAAT |
| | 12661 | GACGTCATCG | CGTTCGTGGC | GCTCCCGGAG | CGGGTTTAGA | TTTCATGTGA | GGAACTCGGA |
| | 12721 | TGAGGTGGTG | CGGGACATGG | CTACGTACGC | GCTGTTTAGG | CGCAGGTTTC | CGGGCGTGAA |
| 45 | 12781 | GCATATGGCG | ACCTTGTTCA | GACTGAGCCC | CTGGGAGCGC | GTGATGGTCA | TCGCGAGTTT |
| | 12841 | GGAGCTGATG | CCGTAGTCGG | CGTTGATGGC | CATGGCCAGC | TCCGTGGAGT | CGATCGACTC |
| | 12901 | GACAAACTCA | CTGATGTTGG | TATTGACGAC | AGACATGAAG | CCGTGCTGGT | CCCGCAGGAC |
| | 12961 | GATGTAGGGC | AGGGGGGACT | CCTCCAAGAA | CTCGGCCACG | CCGGCCGTCG | CGTGCCGCCG |
| | 13021 | CCGCAGCTCC | TCCGCGAACG | CGAACACCCG | GGTGTACGTG | TACCCCATCA | GCGTGTAGTT |
| 50 | 13081 | GTCCGTCTGC | AGGGCCACGG | ACATCAGCCC | CCCGCGCGGC | GAGCCGGTCA | GCAGCTCGCA |
| | 13141 | GCCCCGGAAA | ATGACATTGT | CCACGTAGGT | GCTGAAGGGG | GCGCTCTCAA | ACACCTCCCC |
| | 13201 | GAAGAGCTCC | CGTAGGATAA | GGTATCGCCC | CAGAAAGGCC | CTCTTCAGGA | GCCCAAACCTG |
| | 13261 | GGCGTGACG | GCCGCGGTGG | TCTCAGGCTC | TTCGAGGGCG | TAGTGGCAGT | AGAACACGTC |
| | 13321 | CAGCTGCTGT | TCGTCCAGCC | CGGCGAAGAT | AACGTCAAGG | TCGTGTCGCG | GGAAGTCGTC |
| 55 | 13381 | CGGGCCCCCG | TCCCGCGGGC | CCAGGTGCTT | AAAATTGAAC | GCACGCTCCC | CCGGAGAGCG |
| | 13441 | GTCGCTGGTG | TCGGCGGGCC | TGGTTGCCGA | TGCGCCGGCG | GCGTCCCGGC | GTCGCGACAG |
| | 13501 | GAGTTCTGCC | GTCAGCTCCC | CTAGGCGGCC | GTCAGGCGAG | GTCTCTGGG | TCGCGTCCAG |
| | 13561 | GCCGGGGCGC | TGGAGAAAGT | TGTAAAAGTG | AATCAGCCCC | CCGAACATGA | GCCGCGACAG |
| | 13621 | GAACCGGTAG | GCGAACTCCA | CCGAGGTCTC | CCCCTGGGTC | TTACAGAGC | TGTCGTGCGC |

| | | | | | | | |
|----|-------|-------------|------------|------------|------------|------------|------------|
| | 13681 | CAGCACAGCC | TCGAAGGTCC | GAAACGTCCC | GTCGAACCCA | AACACCATCT | TTCGGAGGCG |
| | 13741 | CGCGGTACC | GCGACCTGGC | TGTTGAGGAC | GTACGTGATG | TCGTTCCGGG | CCACGACTAG |
| | 13801 | CTGTTGCTTG | CTGTGCACCT | CACAGCGCAC | GTGCCCCGCG | TCCTGGTCCT | GACTCTGGGA |
| | 13861 | GTAGTTGGTG | ATGCGACTGG | CGTTGGCCGT | GATCCACTTT | TCCATGGTCA | GCGTGGGTTG |
| 5 | 13921 | CTGCGTGAGC | CGTCGATACT | CGTCAAACTC | TTTGACCGAC | ACAAACGTGA | GCACGGGGAG |
| | 13981 | GGTAAACACA | ACAAACTCCC | CCTCGCGAGT | CACCTTTAGG | TAGGCGTGGA | GCTTGGCCAT |
| | 14041 | GTACGCGCTG | ACCTCCTTGT | GGGACGAGAA | CAGCCGCGTC | CACCCCGGAA | GGTTGGCCCG |
| | 14101 | GTTGGTGATG | TAACTTTCCG | GGACGACAAA | GCGGTCCACA | AACTGCATGT | GCTCCTCGGT |
| | 14161 | GATGGGAAGG | CCGTACTCCA | GCACCTTCAT | GAGGTTCCCG | AACTCGTGCT | CCACACATCG |
| 10 | 14221 | CTTGTTGTTA | ATGAAAATGG | CCCAGCTGTG | CGAGAGGCGC | GTGTACTCGC | GTAGGGTGCG |
| | 14281 | GTTGCAGATG | AGGTACGTGA | GCACGTTTTC | GCTCTGCCGG | ACGGAGCATC | GCAGTTTTTG |
| | 14341 | GTGTTCTGAAG | GTGGACTCCA | GCGAGGCCGT | CTGGGTGCGC | GACCCACGCG | ACACCAGCAC |
| | 14401 | CGGCCGCGAG | CGGCCCGCGT | ACTGGGGGGT | GTGGTACAGG | GCGTTAATCA | TCCACCAGCA |
| | 14461 | ATACACCACG | GTCGTGAGTA | GGTGCCGCCC | CAGGAGCCCG | GCCTCGTCGA | TGACGATAAT |
| 15 | 14521 | GTTGCTGCGG | GTGAAAGCCG | GCAGCGCCCC | GTGTGTGACC | GAGGCCAGGC | GCGTGAGGGC |
| | 14581 | AGCCTGGCCC | AGCCCCAAG | TCTGCTCTAG | GGCGGTGAGG | GCGTGGAACT | CGTTTCGCGC |
| | 14641 | GTCTTCGCCC | CCGTGCGCCG | CCAGGGCCCC | CTTGGTGATG | TGAGGATCA | CCTCCAGTA |
| | 14701 | GTACGTCAGG | TCTCGCCGCT | GCAGGTCTTC | CAGCGAGGCG | GGGCTGCTGG | CCAGGGTGTA |
| | 14761 | CGGGTGCTGC | CCCAGCTGGG | CCTGGACGTG | ATTCCGCGCA | AACCCGAACT | CGTGAAGAT |
| 20 | 14821 | GGTGTGATG | GGTCGACTCA | GAAACGCCCC | CGAGAGCTTA | ACGTACATGT | TCTGCGCCGC |
| | 14881 | GATTGCGGTG | GCGCCCGTGA | CCACGCACTC | CAGGACCTCG | TTGAGGGTCT | GCACGCACGT |
| | 14941 | ACTCTTTCCG | GATCCGGCGT | TGCCGGTGAT | GAGATACGCC | GCGAACGGAA | ACTCCCGGAG |
| | 15001 | CGGCAGGCCG | GTCGGGACCT | CCAAGGCCGC | CACGTCCCGG | AACCACTGCA | GGCGCGGCAC |
| | 15061 | CTGCGTGACG | TCGAGCTGCT | GCTGCGAGAG | CTCTCGGATG | CGTGCATGAT | TTGGTTGGA |
| 25 | 15121 | CCCGTGACG | GACGTAAAAT | TTAAAACACG | CTCGTCCCTG | AACCGACGCG | CGGTTCTGGC |
| | 15181 | CCCGGGCTGC | TGTGGGGGCG | GACCTGGTGC | CCGGACGTCC | CGCGAGCCCT | CCCCGCCGGA |
| | 15241 | CGCCGCCATG | GCCGCACAGC | GCGCGCGGGC | GCCGGCGATG | CGGACGCGGG | GCGGCGACGC |
| | 15301 | GGCGCTATGC | GCCCCGAGG | ACGGCTGGGT | GAAGGTTTAC | CCCACCCCGG | GGACGATGTT |
| | 15361 | GTTCCGCGAG | ATTCTCCTCG | GGCAGATGGG | GTACACCGAG | GGTCAGGGGG | TGTACAACGT |
| 30 | 15421 | CGTCCGGTCC | AGCGAGGCCG | CCACCCGACA | GCTGCAGGCG | GCGATCTTCC | ACGCGCTCCT |
| | 15481 | CAACGCCACG | ACGTACCGGG | ACCTGGAGGA | GGACTGGCGC | CGCCACGTGG | TGGCCCGCGG |
| | 15541 | CCTCCAGCCG | CAGCGGCTGG | TTTCGAGGTA | CCGGAACGCC | CGGGAGGGCG | ATATCGCCCG |
| | 15601 | GGTGCCGAG | CGGGTGTTTC | ACACGTGGGC | ATGCACGCTC | AGGACGACGC | TGCTGGACTT |
| | 15661 | TGCCCACGGG | GTGGTAGACT | GCTTTGCGCC | GGGCGGCCCA | AGCGGACCGA | CCAGCTTCCC |
| 35 | 15721 | CAAATATATC | GACTGGCTGA | CGTGTCTGGG | GCTGGTTCCC | ATATTGCGCA | AGACGCGCGA |
| | 15781 | GGGGGAGGCG | ACGCAGCGCC | TGGGGGCGTT | TCTCAGGCAG | CACACGCTGC | CCCGGCAGCT |
| | 15841 | GGCCACGGTC | GCCGGGGCCG | CGGAGCGCGC | CGGCCCGGGG | CTTCTGGATC | TGGCCGTGCG |
| | 15901 | GTTTCGACTC | ACGCGCATGG | CGGAATACGA | CCGCGTGAC | ATCTACTACA | ACCATCGCCG |
| | 15961 | GGGGGAGTGG | CTGGTGCGCG | ACCCGCTCAG | CGGGCAGCGC | GGCGAGTGCC | TGGTGCTGTG |
| 40 | 16021 | CCCCCCCCCTG | TGGACCGGCG | ACCGCCTGGT | CTTCGATTCT | CCCGTTTACG | GGCTGTGCCC |
| | 16081 | CGAGATCGTC | GCGTGCCACG | CCCTCCGGGA | ACACGCGCAC | ATCTGCCGTC | TGCGCAACAC |
| | 16141 | CGCGTCCGTC | AAGGTGCTGT | TGGGGCGCAA | GAGCGACAGC | GAGCGCGGGG | TGGCTGGCGC |
| | 16201 | CGCGCGGGTC | GTCAATAAGG | CGCTGGGGGA | GGATGACGAG | ACGAAGGCCG | GCTCGGCCCG |
| | 16261 | CTCGCGTCTC | GTGCGGCTCA | TCATCAACAT | GAAGGGCATG | CGCCACGTGG | GCGACATCAA |
| 45 | 16321 | CGACACGGTA | CGCGCCTACT | TGGACGAGGC | GGGGGGGCAC | CTGATCGACA | CCCCCGCCGT |
| | 16381 | CGACCACACC | CTCCCTGGGT | TCGGCAAGGG | CGGCACCGGC | CGCGGGTCTG | GCCCCAGGA |
| | 16441 | CCCGGGGGCG | CGACCGCAGC | AGCTTCGCCA | GGCGTTTCAG | ACGGCCGTGG | TCAACAACAT |
| | 16501 | CAACGGCATG | CTGGAGGGCT | ATATCAATAA | TCTCTTTGGA | ACCATAGAAC | GCCTGCGAGA |
| | 16561 | GACGAACGCG | GGTCTGGCGA | CCCAGCTGCA | GGCGCGCGAC | CGCGAGCTGC | GGCGCGCCCA |
| 50 | 16621 | GGCGGGGGCG | CTGGAGCGGG | AGCAGCGCGC | GGCGGACCGG | GCGGCCGGGG | GAGGCGCGGG |
| | 16681 | CCGCCCCGCG | GAGGCGGATC | TTCTCCGGGC | CGACTACGAC | ATTATCGACG | TCAGCAAGTC |
| | 16741 | CATGGACGAC | GACACGTACG | TGGCCCAACG | TTTCCAGCAC | CAGTACATCC | CCGCGTACGG |
| | 16801 | CCAGGACCTC | GAGCGCCTGT | CGCGCCTCTG | GGAGCACGAG | CTGGTGCGCT | GCTTCAAGAT |
| | 16861 | TCTGCGCCAC | CGCAACAAGC | AGGGCCAGGA | AACGTCGATC | TCGTACTCTA | GCGGGGCGAT |
| 55 | 16921 | CGCCTCCTTC | GTGGCCCCGT | ATTTCGAGTA | CGTGCTTCGC | GCCCCCGGAG | CGGGCGCGCT |
| | 16981 | CATCACCGGC | TCCGATGTCA | TCTTAGGGGA | GGAGGAGTTA | TGGGAGGCGG | TCTTTAAGAA |
| | 17041 | AACCCGCTTG | CAGACGTACC | TGACAGACGT | CGCGGCCCTG | TTCTGTGGCG | ACGTACAGCA |
| | 17101 | CGCGGCTCTG | CCCCGGCCCC | CCTCCCCAAC | CCCCGCCGAT | TTCCGGGCGA | GCGCGTCCCC |
| | 17161 | GCGGGGCGGG | TCCCGGTCCC | GGACCCGGAC | CCGATCCCGG | TCGCCCGGGA | GAACGCCGAG |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|------------|-------------|
| | 17221 | GGGTGCGCCG | GACCAGGGCT | GGGGCGTCTGA | ACGCAGGGAT | GGCCGACCCC | ACGCCCCGCG |
| | 17281 | ATGAGGGAAC | GGCCGCCGCC | ATCCTCAAAC | AGGCCATCGC | CGGGGACCGC | AGTCTGGTCG |
| | 17341 | AGGTGGCGGA | GGGGATCAGC | AACCAGGCGC | TGCTGCGCAT | GGCCTGCGAG | GTGCGCCAGG |
| 5 | 17401 | TCAGCGATCG | CCAGCCGCGG | TTTACCGCGA | CCAGCGTCCT | GCGCGTTGAC | GTCACCCCCA |
| | 17461 | GGGGGCGGTT | GCGGTTTCGTT | CTGGACGGGA | GTTCCGACGA | CGCGTACGTG | GCGTCGGAGG |
| | 17521 | ATTACTTTAA | GCGCTGCGGG | GACCAGCCGA | CGTATCGCGG | TTTTGCGGTC | GTCGTCCCTCA |
| | 17581 | CGGCCAACGA | GGACCACGTG | CACAGCCTGG | CCGTGCCCCC | CCTCGTTCTG | CTGCACCGGC |
| | 17641 | TC'TCCTTGTT | TCGCCCCACG | GACCTCCGGG | ACTTCGAGCT | CGTCTGCCTG | CTGATGTACC |
| 10 | 17701 | TGAGAACTG | TCCCCGAGC | CACGCCACGC | CCTCGCTGTT | CGTCAAGGTG | TCGGCGTGGT |
| | 17761 | TGGGGGTCGT | GGCCCGCCAC | GCGTCTCCCT | TCGAGCGCGT | CCGCTGCCTT | CTCCTCCGCA |
| | 17821 | GC'TGCCACTG | GATCCTGAAC | ACGCTAATGT | GCATGGCGGG | CGTGAAGCCC | TTCGACGACG |
| | 17881 | AGCTAGTCCT | GCCCCACTGG | TACATGGCCC | ACTACCTGCT | GGCCAACAAT | CCGCCCCCCG |
| | 17941 | TCCTCTCGGC | CCTGTTTTTG | GCCACCCCGC | AGAGCTCTGC | GTTGCAGTTG | CCCGGGCCCC |
| 15 | 18001 | TC'CCCCGCAC | GGACTGTGTG | GCCTATAACC | CGGCCGCGCT | CATGGGAAGC | TGCTGGAATT |
| | 18061 | CCAAGGACCT | GCGTTCGGCT | CTGGTGTATT | GGTGGCTTTC | GGGGAGCCCC | AAACGACGGA |
| | 18121 | CC'TCGTCGCT | TTTCTATCGG | TTTTGCTAAC | TCCGGAAAAT | AAACGTGTTT | TTTATGGAAC |
| | 18181 | GT'TCCCCACC | TGTCGTGTCA | TCTCTCGGGG | GATGGTGGTG | GGCCTGTGTG | TGTGTCTTGT |
| | 18241 | GC'ACCGAAGG | AGGAAAGTGG | GGGGGTGGTG | GTGCTGGTGG | TGGAAAGACA | TGATAGAGGG |
| 20 | 18301 | AACAAAGAAA | TAGAAGAAAA | CCACAACCGG | CGCGTGCCAG | TAAATACGGA | CGCGCGCACA |
| | 18361 | CGCGGGGGGT | AAGTTGGAGC | ACGGGGCCCC | GGTTTATTGA | CCAAATTCAG | GGAAACAGAA |
| | 18421 | ACCGAATCTT | TTCATCGAAA | GGGTACACAA | AGCTCCCGCC | CTCGCCCCAC | ACGCCTTCCA |
| | 18481 | GA'ACCCCGT | AAACACCAGT | TGAATCTCGC | GCAGGATCTC | GCGCAGGTGA | TGGGCGCAGT |
| | 18541 | CC'ACGGGGGG | GAGCACCAAG | GGCCGCGGGT | ACAGATCCAC | GGGGACGCCG | ACCGACTCCC |
| 25 | 18601 | CG'CCCCCGGG | ACATACGCGC | ACGACGCGTC | TCCAGTATTG | CTCCGCGTCC | AGCAGGGCGC |
| | 18661 | CT'CCGCGGAA | GGCCGTTTGG | GGCAGGGGGT | CGTCGGCCCTC | GCCTGGGGGG | GC'TGGGGGCG |
| | 18721 | TC'CACTACTC | CGCGTCCAGA | CGCCTCCCGA | AGGCATCCAG | GACAAAAGCG | TCACAGGCGT |
| | 18781 | CC'TCCATGAC | GCCCCGGGCC | GCGCACACGG | CCTCCTCCGG | CGGGCCGGCG | GCCGGCCGCC |
| | 18841 | GGAGGATTCT | TCTCAGCGCG | TCGCGCATAA | CCTCGGCCGC | CGCGGCGTAC | GCGGCCCCGC |
| 30 | 18901 | GGAGAGGAAA | TCCCTGCAGG | AAGTCGGTGT | CATCGCGGGA | GTTCCAGAAC | CACGCCCCGG |
| | 18961 | TC'TGGCTCCA | GGTGACGACG | TGGGTGTAGA | CGCCCTCTGG | CGCCAGGGAG | GGGGCGAGGC |
| | 19021 | GC'GGGCGTAT | GCCGTTGGCC | GAAAGTACGG | CGCGCACGGA | CGCCTCGAGG | GCCGGGCGGG |
| | 19081 | CG'TCCTGGAT | CGCGCCGTGC | GCGGCGTCCG | CGTCCCGGGG | GTCCACGTTG | AACAGCCCCC |
| | 19141 | AGAAGCAGAG | CCCGGTGCCG | CCGCAGACCG | CAAACCTTAC | CGAGCTGGCC | GTCTGCTCGA |
| 35 | 19201 | TC'TGCAGGCA | GACGGCGGCC | ATGACCCCGC | CGAGCAGCTG | CCGGAGCGCG | GGGCAGGCGT |
| | 19261 | CG'CAAGCGTC | CGGCACCAGG | CGCTCCAGCA | CGGCCCGGGC | CCAGGGCTCC | GAGGGGGCGG |
| | 19321 | CC'GCCACCAG | CGCGTCCAGC | CTTTCAGGCG | CCGCCCGCCC | CCGGGCTTCC | GGCAGCCCGG |
| | 19381 | CC'TCCCCGAG | GCCCCGCGAG | GCGGCCAGGA | GCTGGGCTTG | GAGCCCGGAG | AAACAAAACC |
| | 19441 | GC'GCCGTCCA | GACCGGCCCC | ACGGCCGCCG | GGGGGTGCGG | TAGTTGGATG | GTGGTGGCCG |
| 40 | 19501 | TG'GGGTGCCA | CCGCGCGACC | GCTTCCCGAA | AGGCGGGCAG | GAGGCGGCCG | GCCGCTCCCG |
| | 19561 | AG'GCCACGGC | CGGCCATGCC | CGCGGGGGCA | GGACGACCCT | GGCGCCCACC | GCGGGCCAGG |
| | 19621 | CC'CCCAGGCA | CGCGGCATGG | GTGGCCGCGG | CGCCCCGCAC | CAGGTCACGC | GCCGACTCGG |
| | 19681 | CGCGGGCGGC | GGCCGGCAGG | GTAACAGTGG | GCCAGCCCGG | AAATCCAGC | ACGGCAAAGT |
| 45 | 19741 | AT'TGGACGGG | CCCTCCCCGG | ACCTCAAACC | CGGGCCCCAG | AAAAGCGAAG | ACGGGGGCCA |
| | 19801 | GG'GCTCCGGG | GGCGGCGTGG | ACCGTGGTAT | GCCACTGCCG | GAAGAGGGCG | ACCAGCGCCG |
| | 19861 | GG'GCGGAGAA | CCCGTCGCCG | GCGCTCACGA | AGTAGTCGTA | GCCGCGCGGC | AGCAGCACCC |
| | 19921 | GCGCCGTGAC | CCGCTGCGGG | TGTCCGCGGG | GCCGCAGGCC | GACCTCGCAC | ACCTCGACCA |
| | 19981 | GG'TCCGCGAA | GGCGCCCTCC | TTCTTGCTCG | GCGGAAACGC | CAGGGTGGTG | TATTCGCGCG |
| 50 | 20041 | CA'AAACGCGC | GGTCTTCGTC | GTGATGGTGA | CGGCGAGCGA | GGCGGAGGAC | GCGCACTGGG |
| | 20101 | GG'CTGTGCGG | AATGGCGGCC | AGGCGCGCCC | ACGCCAACCG | CGCGCCGGGG | TGCTCGGCGA |
| | 20161 | CG'CGCGCGGA | CAGGGCCAGC | GGGTGACGTT | CGACCTTGCG | CTCCACGTCC | AGGAGGGCGG |
| | 20221 | CG'CGAGGAGC | GGCCGCGGGG | CCCCAGCAGC | CCCTTTCGAC | CCTCACGACC | AGACCCGTCT |
| | 20281 | GC'GGGTCCCA | GCCCAGGCGC | AGCGGGACGA | AGAGGGCCCA | CCGGCCCGTC | TGGCGCTCCA |
| | 20341 | GG'GCCGCCAG | AACGCACGCA | TACAGCGCCC | GCCACAGGGT | CGGGTCCCCC | AGGGGCTCCA |
| | 20401 | GCGGGGAGGC | GGCCGGGGCC | GTGCGGGCGC | GGGCGGCCGC | GACGGCCCCG | GGGGCCGAGA |
| 55 | 20461 | CG'TCGGGGGA | GCCGTAGAAG | TCCTGCAGGT | CGGACGAACC | AACGGACACC | TCCGCGAAGC |
| | 20521 | GC'GCGCGCGC | CTCCCCCGCG | GCGTCCGCGC | AGACCAGATA | CAGCAGGGCG | TGGAGGCAGT |
| | 20581 | CG'GCGGTGCG | CGGGGGCAGC | CATACCGCGT | ATAGGGTAAT | GGCGCTGACG | CTCTCTCCA |
| | 20641 | CC'CAAACGAT | GCCGGGGGCT | TCCATGCCAC | GACGCCCGGG | GGTTGCCGTG | TATCGAACGA |
| | 20701 | GC'GCGGCCCC | AGACTTATAG | GGTGCTAAAG | TTCACGCCCC | CCTGCATCAT | GGGCCAGGCC |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|--------------|-------------|
| | 20761 | TCGGTGGGAA | GCTCCGACAG | AGCCGCCTCG | AGAATGATGT | CAGTGTGTTGGG | CTGGGCGCCG |
| | 20821 | GAGGCGTGCG | TGCGCAAGCA | GCGCCCCAC | GCGGGCGCGC | GCAGCTTGAA | GCGCGCGCCC |
| | 20881 | GCAAACCTCC | GCTTATGGGC | CATCAGCAGC | GCGTACAGCT | GTCTGTGCGT | CCGGCAGGCG |
| 5 | 20941 | CTGTGGTCTGA | TGCGGTGGGC | GTCCAGCAGC | TCCACGATGG | CTCGCTTGGT | GAGGTTTTTA |
| | 21001 | ACGCGCCCCG | CCCCGGGAAA | CGTCTGCGTG | CTCTTGGCCA | GCTGCACCCC | GAACAGTTTCG |
| | 21061 | CCCCAGATGA | TCTTGAACAG | CGACAGCGCG | TGCTCCGTCT | CGCTCACGGA | CCCGCGCGGG |
| | 21121 | GGGCAGCCGC | TCAGGGCGTC | GGCCACGCGC | TTAACCGCGT | CCTCCGACAG | CAAGGGGCCG |
| | 21181 | TCGGTACAGT | TACAGTGGCC | CAGTTCGAAC | ACCAGCTGCA | TGTAGCGGTG | TAGTGGGGG |
| 10 | 21241 | TTCAGCAGCT | CCAGCACGTC | CTCGGGGCTA | AAGGTTCCGC | CCGACCCCCC | GGCCATCGAG |
| | 21301 | TCCCAC TGCA | GGCACGCGGC | CATGGTGCTG | CACAGACGGA | ACAGCTCCCA | GACGGGGGCG |
| | 21361 | ACGTTTAGGG | TGGGGTG TAG | GGCCACAAGC | TCCAGCTCTC | CGGCGGCGTT | GATCGTGGGG |
| | 21421 | ATGACGCCCG | TGGCGTAGTG | GTCTGTAAGC | CGCCGGAAGA | TGGCGCTGCT | ATGGGCGGCC |
| | 21481 | ATGGGGACGC | GAAGACAGGC | CTCCAGCAGC | ACCAGGTAGA | TGAACCGCGT | GCGGCCGACC |
| 15 | 21541 | AGGCTGTTGA | GGCCGCGCAT | GAGCGCGACC | ACCTCGGCCG | GCGCGACGTC | CGGCCGGAGG |
| | 21601 | TACTTTTCGA | CGAAAAGGCC | CACCTCCTCC | GTCTCGGCGG | CCTGGGCCGA | CAGGGACGTG |
| | 21661 | TCGGGGTCC | GGCAGCGCAG | CTCCCGCAGA | TCCCGCTGGG | CCCTCAGGGC | ATCAAAATGT |
| | 21721 | ATCCCCCGCA | AAAACAGACA | AAAGTTCTCT | GGGGTCAGCG | CGGCTCGTGT | GCCCCAGAAC |
| | 21781 | CGCACGTGCA | TGCAGTTGAG | GGTCAGAAGC | ATGTGGAGGA | TGTTAAGACT | GTCCGCGAGG |
| 20 | 21841 | CACGCCAGCG | TGCACCTCTC | GAAGTAGTGC | TTGTACCGGA | ATTTGCTGTA | GATGCGCGAC |
| | 21901 | CCCCGCGCCT | GCGCCGCGTC | GGCGTGCGAC | GCGTGCAGC | GCCCTTTGAA | CCGGCGGCAC |
| | 21961 | AACAGGTTTC | TCACCTGGGA | AAACTGTGCC | GGCCACTGCC | CGCTGGCGCT | CACCACGTGG |
| | 22021 | TTGAGCAGCA | TGGGCGTAAA | GACGGGCTCC | GAGCGCGCCC | CGGACCCGTC | CATGTAGATC |
| | 22081 | AGCAGCTCCC | CCTTGCGGAG | AGTCCGTACC | CGCCCCAGCG | ACTGGTACAC | GGACACCATG |
| 25 | 22141 | TCCGGCCCCG | AGTTTCATGG | TTTCACGTAG | GCGAACATGC | TGTCAAAGTG | CGGCGGATCG |
| | 22201 | AAGTCAAGGC | CCACCGTCAC | GACCGTTGTG | TAGATGACCA | CCCGGTACCG | CCCCATGTG |
| | 22261 | GTCACGTGCG | CGGGCGGGGT | GACGAGTTGG | AGCAGCAGCA | CGCGTCCGT | AAACTGCCGG |
| | 22321 | CAGAACCTGG | CAACGACCTC | CGCGAAGGAG | ACCGTCGACG | AGAAGATGCA | GACGTTATCT |
| | 22381 | CCGCCGGCCA | GGCGCGCCTC | CAGCTCCCCG | AAGAAGGTGG | CGTCCGGGGG | GGCGTCCGGG |
| 30 | 22441 | GGGGGCGCCC | CGCCCGCCGG | CCCCCGGCGG | CGCAGGGCCG | CCTGCAGGAC | CTCGGGCCCC |
| | 22501 | AGGCGCGGGA | GAAACAGACA | ACGGCGCGCC | GAAAATCCGG | GCATGGCGTA | CTCCCCGATG |
| | 22561 | ACCACGTGAA | CGTTCTTTTC | GCCCCGGAGG | CTGCACAGAA | AGTCCACCAG | CTGCGCGTTG |
| | 22621 | GCGGTGGCGT | CCATGGCGAT | GATCCGCGGG | CACGTGCGCA | GCAGGCGCAG | CATCAACGCG |
| | 22681 | TCGACGCGGC | CCAGCTGCTG | CATCGTCGGC | GAGTACAGTT | GGCCCAACGT | CGACATGACT |
| 35 | 22741 | TCGTCCAGGA | CGAGCACGTC | GTAGTTGTTT | AACAGGTTTC | GGCCCAACGT | ATGAAGACTT |
| | 22801 | TCCACCTGCA | CGATGAGACG | GTGGAAGGGG | CGGTGCTTCA | TGATGTAATT | GGTGGATGAG |
| | 22861 | AAGTAGGTGA | CGAAGTCGGG | CAACCCTGAC | TCAGCGAACC | GCGTCGCCAG | GGTCTGAGTA |
| | 22921 | AAACTCCGAC | GACAGGAGAC | GACCAGCACA | CTCGTGTCGG | GAGAGTGGAT | CGCTTCCCCC |
| | 22981 | AACCAGCGGA | TCAGCGCGGT | AGTTTTTTCCC | GAGCCCATTC | GCGCGCGGAC | CACAGTTACG |
| 40 | 23041 | CACCGGGCCG | TCGGGGCGCT | CGCGTCCGGG | AAGGTGACGG | GTCCGTGTTG | CTGCCGCTCG |
| | 23101 | ATCGTTGTTT | TCGGGTGGAC | CCGGGGGAACC | CACTCGGCCA | AATCCCCCCC | GTAAAGCATC |
| | 23161 | CGCGCCAGCG | ATACACTCGA | CGTGTACTGC | TCGCACTCGT | CATCCCCGAT | GGGACGCCGG |
| | 23221 | GCCCCCAGGG | GATCCCCCGA | GGCCGCGCCG | GGCGCCGACG | TCGCGCCCCG | GGCGCGGGCG |
| | 23281 | GCGTGTTGGG | TCTGGTGTTG | CGAGGTGGCG | ACGTTTCATC | TCTCGGCCAT | CTGCGTCTGT |
| 45 | 23341 | GGGCTCCTGG | TGCTGGCCTC | TGTGTTCCGG | GACAGGTTTC | CCTGCCTTTA | CGCCCCCGCG |
| | 23401 | ACCTCTTATG | CGAAGGCGAA | CGCCACGGTC | GAGGTGCGCG | GGGGTG TAGC | CGTCCCCCTC |
| | 23461 | CGGTTGGACA | CGCAGAGCCT | GCTGGCCACG | TACGCAATTA | CGTCTACGCT | GTTGCTGGCG |
| | 23521 | GCGGCCGTGT | ACGCCGCGGT | GGGCGCGGTG | ACCTCGCGCT | ACGAGCGCGC | GCTGGATGCG |
| | 23581 | GCCCGTCGCC | TGGCGGCGGC | CCGTATGGCG | ATGCCACACG | CCACGCTAAT | CGCCGGAAC |
| 50 | 23641 | GTCTGCGCGT | GGCTGTTGCA | GATCACAGTC | CTGCTGCTGG | CCCACCGCAT | CAGCCAGCTG |
| | 23701 | GCCCACCTTA | TCTACGTCCT | GCACTTTGCG | TGCCTCGTGT | ATCTCGCGGC | CCATTTTTCG |
| | 23761 | ACCAGGGGGG | TCCTGAGCGG | GACGTACCTG | CGTCAGGTTT | ACGGCCTGAT | TGACCCGGCG |
| | 23821 | CCGACGCACC | ATCGTATCGT | CGGTCCGGTG | CGGGCAGTAA | TGACAAACGC | CTTATTACTG |
| | 23881 | GGCACCCCTC | TGTGCACGGC | CGCCGCCGCG | GTCTCGTTGA | ACACGATCGC | CGCCCTGAAC |
| | 23941 | TTCAACTTTT | CCGCCCCGAG | CATGCTCATC | TGCCTGACGA | CGCTGTTTCG | CCTGCTTGTC |
| 55 | 24001 | GTGTCGCTGT | TGTTGGTGGT | CGAGGGGGTG | CTGTGTCACT | ACGTGCGCGT | GTTGGTGGGC |
| | 24061 | CCCCACCTCG | GGGCCATCGC | CGCCACCGGC | ATCGTCGGCC | TGGCCTGCGA | GCACTACCAC |
| | 24121 | ACCGGTGGTT | ACTACGTGGT | GGAGCAGCAG | TGGCCGGGGG | CCCAGACGGG | AGTCCGCGTC |
| | 24181 | GCCCTGGCGC | TCGTGCGCGC | CTTTGCCCTC | GCCATGGCCG | TGCTTCGGTG | CACGCGCGCC |
| | 24241 | TACCTGTATC | ACCGGCGACA | CCACACTAAA | TTTTTCGTGC | GCATGCGCGA | CACCCGGCAC |

| | | | | | | | |
|----|-------|-------------|-------------|------------|-------------|-------------|------------|
| | 24301 | CGCGCCCATTT | CGGCGCTTCG | ACGCGTACGC | AGCTCCATGC | GCGGTTCTAG | GCGTGGCGGG |
| | 24361 | CCGCCCCGAG | ACCCGGGCTA | CGCGGAAACC | CCCTACGCGA | GCGTGTCCCA | CCACGCCGAG |
| | 24421 | ATCGACCGGT | ATGGGGATTG | CGACGGGGAC | CCGATCTACG | ACGAAGTGCG | CCCCGACCAC |
| 5 | 24481 | GAGGCCGAGC | TCTACGCCCG | AGTGCAACGC | CCCGGGCCTG | TGCCCAGACG | CGAGCCCAT |
| | 24541 | TACGACACCG | TGGAGGGGTA | TGCGCCAAGG | TCCGCGGGGG | AGCCGGTGTA | CAGCACCGTT |
| | 24601 | CGGCGATGGT | AGCCGTTTTG | TTCGTTTTTA | TAAACCGACG | TTGTGCGTTT | CACCATACTT |
| | 24661 | CGGCGCGCGT | GTGTGTGTGT | TTTTTTTTTT | GTGGTGTTTA | TTTTCCCCCC | ACCCTTCCT |
| | 24721 | TTTCTTTTCGG | CCACCACCCC | CCTCCTCCCC | CGTACTATAC | AACAAAAAAT | ACCACACATA |
| | 24781 | CGACCAAATA | CGGACAATCA | TTTCTGTCTT | TATTGCTAT | CAGAGAGTGG | GGGCGTGAGC |
| 10 | 24841 | GTGGCAGGAG | GGCGGGCCAC | GTCGGGGTCC | CGCCGTCTGG | TGTGACGCGA | TGGGGGGTCC |
| | 24901 | GATGCGCGCC | GGTACTGGGG | CCCCGGCGCC | CGGGTGACCA | CGCGCACGTC | GGGGGGCAGC |
| | 24961 | TAGAAGTTAC | CCTCTTCTTC | GGACTCGATG | TCCACGACGT | CAAAATTCGTG | GGCGGTCAGC |
| | 25021 | GAGACGACCT | CCCCGCCGTC | GGTGGTGATG | ACGTTGTGTC | GGCAGCAGCA | GGGCCGCGCC |
| | 25081 | CCGGAGAACC | CGAGGCCCAT | AACTTGCGCA | GCGTATCGTC | GAAGGCCAGG | CGGCTGTTTC |
| 15 | 25141 | GCCGGATGTC | CCGGTAGATC | CCCGGCTCGA | CGCGGACGGG | GGTGATGATC | AGGGCGATCG |
| | 25201 | GAACGGCCTG | GTCCGGGAGG | ATCGATGCCT | TGGCGGGTCC | GGGGCCCCCG | CCAGGCCCGG |
| | 25261 | CGGGCGCTCC | GCGGCCGTCC | TCCAGGCGGA | ACGTCACGCC | CTCCTCCGCG | CCCGCGCGGT |
| | 25321 | GCC'TGCCGAG | GAACGTCACC | AGGTGCGGTT | GCAGGGGGCA | GTCGGGAAAG | TGGCTGTGCA |
| | 25381 | GGACGTATCC | CTGCACCAAG | ATCTGTTTGA | AGTTTCGGGTG | GCGGGGGTTG | GCGAAGATGG |
| 20 | 25441 | GCTCGCGGCG | AACCAGCTCC | CCGGAGCTCC | AGGCCACGGG | AGAGATGGTG | CGACGCTCAA |
| | 25501 | GGTCGGGGAC | GCCAAACAGA | AGCACCTCCG | AGACAACGCC | GCTATTTAAAC | TCCACCAGCG |
| | 25561 | CCCGATCCGG | GGCGGAGCAT | CGCCTTTTTT | CGCCGGCGGC | GCGGGAATCG | AGCCAGTCCC |
| | 25621 | GGTCTTGGGT | GACGAGCGCC | TCTTCCGGGC | CCGGAACCGG | CCCGGGCGCG | AAGTAGCGCA |
| | 25681 | CGCGGGGGTT | GGGGATGGAC | CGGATGAACG | CCCGGAACGC | CTCCGGCGAT | CGCCGCGCCA |
| 25 | 25741 | TCAGGTCTTC | GTACGCGGAG | GCCGCGGGGG | GCGCGGGGTC | GCGCGGGTTCG | AACCGCTACT |
| | 25801 | TGGCTCGGCA | C'TTAACCTCG | TAGAAGGCCA | GGGGGGTCTG | GGGGGCGGGG | GCCAGGTAGC |
| | 25861 | CGTGAGGGTC | CCTGGGGCAC | ACGAGGATGT | CCAGGGACGC | CCCCACCATG | CCCGTGTGGC |
| | 25921 | CGTCCATGAG | GACCCCGCAC | GCGTGACAGT | TCTCCTCGGC | GAGGTCCCCG | GGTTGGTGAA |
| | 25981 | AGACGAAGCG | CCCGGCGTCG | GCGTCGTCTG | TGACGCCCCG | GTCCGCGCGG | CCCACGCACT |
| 30 | 26041 | AGCGAAACAG | CAGGTTTTCG | GCCGTCGGCT | CGTTACCCCG | CCCGAACATC | ACCGCCGACG |
| | 26101 | ACTGGGCGTC | CAGCCGCAGG | CTGGCGTTGT | GGGTGAGCCA | CTGGGACGAG | AAGCACGGAC |
| | 26161 | CCTGCGCGCC | CCACCGCAGC | GTGGAGGCGG | TCGTCAGGCC | CCGCCGAAGC | AGGGCCCAGA |
| | 26221 | CGTCGAGTC | GGCCTGGTTT | TGCGTCGCGG | CCTCGTAAAA | TCCCATAAGC | GGGCGGGGGG |
| | 26281 | CGACGGCTTC | GGCGGCGGAC | GGGGGGGCGC | GCGCGGTCAG | GCGCCAGAGG | TGCCGGCCGA |
| 35 | 26341 | GCCGCGCGTC | CACCATGCCG | GCCGCCTCCA | GCGACACGAC | GAGGGAGCAC | AGATAGTCCA |
| | 26401 | GGCGAGCCCA | CAGGGGCCCG | ATGGCCAGAG | GGGAGCGGAC | GCCGCGCAGC | AGGCCGCGCA |
| | 26461 | GGTGGCGCTC | GAACGTTTTCC | GCCAAGATAT | GGGGGGGCGC | TGCGTTGGGG | ATCGCCGACG |
| | 26521 | CCGACCACAT | CGGGTCGGGG | TCCGGGGGAC | CGGGGCTGCA | GTCCGGGTTCG | ATGGCGTGTG |
| | 26581 | CGCCCCCGCG | CGAGAGGGGA | ATGTCGGGGG | TTGGCGGGCC | GGATGAGGCC | TCAGAGAGGG |
| 40 | 26641 | CCGGGGACGC | GGGCCGGGCC | TTTTCGCCCC | GGGCCCCGCG | GTCGGGTTGC | CCACGTGGGG |
| | 26701 | GGCTCTGGGG | CCAATGGGAA | CCCGGGGCCC | CCGGTGACGT | GGGGCGGGGT | GGGGCGGGGC |
| | 26761 | GGGGCCCCAA | GACGGTCGCC | AGATCTAGGC | TGTTGGGTTCG | GGGCCGCTTC | GGGGGACTAT |
| | 26821 | CGGGGTGCGG | GGCGGGGTCC | GCGGGGCGCT | TGGCGCCGGG | TGTTGCGGCG | GCCGCCATTT |
| | 26881 | TTACGAGCAG | CCGAAGAGCT | CGAGGGCGGA | AGGGATCCTC | ACGACAGAGA | GTGGCGCGCG |
| 45 | 26941 | GCCGGGTTGG | CGTGACAGAG | GCGGGAGACC | AGCACCAGCA | GCGGCCCTCAG | CTCGGGCGGC |
| | 27001 | AGCGACACCG | ACGACAGGAC | GGCCTTGTGC | GTGCGCTGGT | AATTTATACA | CTGCTCCGTG |
| | 27061 | AACGCGCGCC | GAATCTTGGG | ATTGCGAAGG | TGGCGCCGGA | TGCCCTCCGG | CACGTCATAC |
| | 27121 | GCCAGGCCGT | GGGTGTTGGT | CTCGGCCGAG | TTGACAAAGA | GGGCGGGGTG | CAGAACGCAG |
| | 27181 | CGATAGGCGA | GGAGGGCCAC | GGCAAAGTCC | GGCGAGAGCT | GGTTGTTAAA | GTAAGGTAG |
| 50 | 27241 | CCCGGGACGC | GGGTACGCGG | GACGCCCAGG | CTCGGGGCCA | CGTACACGCT | AACAGCAGC |
| | 27301 | TCTAGCAGCG | TCTGCCCCAG | GGCGTAGAGA | TCGACCGCCA | GCCCCAGCTC | GTGCTTCAGG |
| | 27361 | GGGCGGTTGT | TAAACTCGGC | CCGCTCGTTG | TTGAGGTACT | TTACCGAGAG | CTCCGGTGGC |
| | 27421 | TGGTTGTACC | CGTGCCCCAC | CAGAGTGTGA | AAGTTGGCCG | TGGTCAGGGC | GGCGGGCATC |
| | 27481 | CCAAACCCCC | GGGGGGACTC | GAGGTCCGGC | TCCTGGAGGC | AAAAGTGGCC | CCGGGATATC |
| 55 | 27541 | GTGGAGTTGG | AGTTCAGGGT | CACCAGGCTA | AAGTCGGCCA | GGACGGCCGG | CCGGAGCGAC |
| | 27601 | ACCGCGTCCG | ATCGCAGCAT | CACGAGGACG | TTGGCGCACT | TGATGTCCAG | GTGGCTGATC |
| | 27661 | CCGCACCTGG | TGTTTCAGGAA | CACCACGGCG | CGCGCCAGGT | CTGTGAAGCA | GTGGTGGAGG |
| | 27721 | GCCGTCGCGA | CGGAGGGGGT | GGTCGCGCGC | AGGGACGCCA | GCTGGCCGAT | GTAAGTGGCG |
| | 27781 | AGGTCACATG | CGTACGCGGG | GAACACGATC | TGGCGCTGCT | GCAGCGAGAA | CCCGAGCGGG |

| | | | | | | | |
|----|-------|------------|------------|-------------|-------------|------------|-------------|
| | 27841 | GTGATAAAGC | CGCGGATGTC | GTGGGTGCGG | CCGCCGCGAA | GAGCGCACTC | CCCCACGAGC |
| | 27901 | AGGGTCGCGA | CGAGCTCCAC | GGCAAACCAC | TCTTTTTCCC | GGATGGTCTT | CACGGCGAGC |
| | 27961 | TTGTGTTTCG | GAATCAACTG | CACCTCGCCG | TACCCCCCGG | AGCCCCCGAA | GCTGCGGGCC |
| 5 | 28021 | CCGGGGATCT | CCAGGGTCGT | GTAGCGGAGG | GCGGGGTTGA | CGGCGAATAC | GGGGATGCAT |
| | 28081 | AGCTTGTGGA | TGCGCGCGAG | GGACAGGATG | TGCGAGGGGG | GCGACGGGGG | CGAGGTCATG |
| | 28141 | GCCGTCTCGG | ACCTGCGCAG | GGGCGGGCGC | CTTAGCTTGG | CCGCAGGGCC | GGGGGCCCTCG |
| | 28201 | GGGGACGAGC | GGCGACGAGA | CGAGCGGCTC | ACTCGCCATC | GGGACAGTCC | CGCGCGAAGC |
| | 28261 | CGCTCCCGGA | AGCTGGATCG | GCGGCGGGAC | CCGGGGCGGG | CTCCGAGAGC | GGCGCCGTCT |
| | 28321 | CGGGGGGAGG | GGCCGCTTGG | GCGTCCGGAC | GCCCGGCGGC | TGAGGGAGTG | TATGTAGGAC |
| 10 | 28381 | GCGAGCCAGG | CCTTGAAGGA | GCGTCCGGTG | GCACCTTGGG | GGCTGATGTC | AGCTGCCACA |
| | 28441 | TGACTAGCAG | GTCGCTGTCT | CCCGGACTCA | TCCATCCGTC | CGCCAGGTCG | CCGTCCCCCC |
| | 28501 | ACAGAGACGC | GTTTCGCCGC | GCCTCTTTCG | GCTGCTCCTC | CTGGTCCGCA | AGACGATCGT |
| | 28561 | CCGCCGCGTC | CAGGCGCTCG | CTAAGCGCGG | GATCGAGGTA | CCGTCCGGTG | GCGGTTAGAA |
| | 28621 | AATCACGTCG | CGCCGCTTGG | TCTTCCACGC | GAATTTTAAC | ACAGGTCGCT | CGCTGTCGCA |
| 15 | 28681 | TCATCTCTAA | GCGCGCGCGG | GACTTTAGCC | GCGCCTCCAA | TTCCAAGTGG | GCCGCCTTGG |
| | 28741 | CGGCCATAAA | GGCGCCAACA | AACCTAGGAT | CTTGTGTACT | CACGCCCTCC | CGGTGTAGCT |
| | 28801 | GCAGGGTCTG | GTCCCTGTAC | ACCTCGGCCC | GGAGGTGCGT | CTCGGCCAAA | CGTCGGCGCA |
| | 28861 | GGGCCGCGTG | GCTGGCGTCT | CGGCTCATCT | CGCCGCCCCC | GCGCGCGCCC | GACGTCGGAC |
| | 28921 | TCCTTCGCCC | CGACCCCCCT | GACCTCAGCC | GCCCCCGCCT | CGCCCGCGAT | GTTTGGCCAG |
| 20 | 28981 | CAGCTGGCGT | CCGACGTGCA | GCAGTACCTG | GAGCGCCTGG | AGAAACAGAG | GCAACAGAAG |
| | 29041 | GTGGGCGTCC | ACGAGGCGTC | GGCGGGCCTG | ACGCTCGGCG | GCGATGCGCT | GCGCGTCCCT |
| | 29101 | TTTTTGGATT | TTGCCACCGC | GACGCCCAAG | CGCCACCAGA | CCGTGGTCCC | GGGCGTCGGG |
| | 29161 | ACGCTCCACG | ACTGCTGCGA | GCACTCGCCG | CTCTTCTCGG | CCGTGCGCGG | GCGGTTGCTG |
| | 29221 | TTTAATAGCC | TGGTGCCTGG | GCAACTCAGG | GGGCGTGAAT | TTGGGGGCGC | CCACACGGCC |
| 25 | 29281 | AAGCTGGAGT | TCCTGGCCCC | CGAGCTGGTG | CGGGCGGTGG | CGCCCTGCGG | GTTTCGGGAG |
| | 29341 | TGCGCGCCGG | AGGACGCCGT | GCCCCAACGC | AACGCCTACT | ACAGCGTCCT | GAACACGTTT |
| | 29401 | CAGGCCCTGC | ACCGCTCCGA | AGCCTTTCGG | CAGTTGGTTC | ACTTCGTGCG | GGACTTCGCC |
| | 29461 | CAGTTGTTGA | AAACCTCGTT | CCGGGCCCTCT | AGTCTCGCGG | AGACTACGGG | CCCCCGAAG |
| | 29521 | AAACGGGCCA | AGGTGGACGT | GGCCACCCAC | GGGCAGACGT | ACGGCACCTT | GGAGCTCTTC |
| 30 | 29581 | CAGAAAATGA | TACTAATGCA | CGCGACCTAC | TTTCTGGCCG | CCGTGCTGCT | CGGGGACCAC |
| | 29641 | GCGGAGCAGG | TCAACACGTT | CCTGCGGCTC | GTGTTTCGAGA | TCCCCCTGTT | TAGCGACACG |
| | 29701 | GCCGTGCGGC | ACTTCCGCCA | GCGCGCCACC | GTGTTTCTAG | TCCCCAGGCG | CCACGGAAAG |
| | 29761 | ACCTGGTTTT | TGGTGCCTTT | CATCGCGCTG | TCGCTCGCGT | CCTTCCGGGG | GATCAAGATA |
| | 29821 | GGCTACACGG | CCCACATCCG | CAAGGCGACC | GAGCCCGTGT | TTGATGAGAT | CGACGCCTGC |
| 35 | 29881 | CTGCGGGGCT | GGTTTGGCTC | GTCCCGGGTG | GACCACGTCA | AGGGGGAAAC | CATCTCGTTC |
| | 29941 | TCGTTCCCGG | ACGGCTCGCG | CAGCACGATC | GTGTTTGCCT | CCAGCCACAA | CACGAACGTA |
| | 30001 | AGTACGCCTT | CCTCCCGCGG | TGCCTGTTTC | CCCGGTGCCG | CCCTCCCCGA | GATCGACCGA |
| | 30061 | CAGACAAACA | CAGCCAGACG | CGAGTGTGGG | ACGACACGCC | CGCAGCCCCC | CCCCCGCCAT |
| | 30121 | GGCGGGGGGG | AAGCCTTACT | GTTTATTTGT | AATCGGACGA | TGAGGCTCTG | GCCACGGCCC |
| 40 | 30181 | GCGCGACCGC | GGGGCAGCTC | GTTGCAAACA | GGCGGCTGGT | ATACGATGAC | AGAACGCAGA |
| | 30241 | GGCGCCACCC | GGCGCTGGTC | GGGCGGATGA | CGCTTTCGCG | GCCGTCCCGG | CCCACGACGA |
| | 30301 | CCTCGTCGAG | GTGGGCCGTG | ATGCGCGGGG | GGCGGGTCGC | CTGCCGCGAG | ATAACCGCGT |
| | 30361 | CCACGGGGTG | CCCGAAGAGG | AGCTGACACA | GGCTCGCGTC | CCCCCGGACG | GCCAGGGTGC |
| | 30421 | GCTGGGCCAT | ATTGGACCAC | ATGCACGGGG | CGACGCAGGG | ACAGGCCTCC | GCCACGGCGG |
| 45 | 30481 | GGGCGCGCCA | CAGCGCGTTG | GCGGAATCGA | TGTGGGCCGT | CGGGGCGCAG | GCGCCGCCCTC |
| | 30541 | CTCCCGGGGG | GTCGGTAATC | CTGGATAGCA | GCCATCCTAA | ATGGCGGGCC | CGGCTGCCCG |
| | 30601 | GGGGACAGAG | CGACCCAGG | TCATCATCCA | TGGCCAGCA | GTATATGCGG | CCGCCGGGGA |
| | 30661 | GGTGCCACCA | GGCCCCCGGA | CCCAGGGCAC | AGCACGCCCC | GGATTCCGGG | GCCGTGTCCG |
| | 30721 | TGGGTACCAG | GTAGGCGCCG | TCGAGCTCGT | GGGCCACGGG | CTCGTCCCGG | AGCTGTTCCG |
| 50 | 30781 | CGGCGGGGTC | GGGGGTTTCC | TCCGGGGGGG | AGGCAGCTTC | CAGGTGGCCG | AAGGCTAGGG |
| | 30841 | TGCACAGCAG | CGGGGTCCGG | GGGTGCGTTA | CGCTGCGGAG | TGGACGCTG | GCGCAGTAGC |
| | 30901 | GGCGCTCGCG | GTTAAAGAAG | AAAATGGCAA | AGAACGTGTT | CGAAGGCAGG | CGCAGCGCCT |
| | 30961 | TGGGCCGCGT | CAGGTACAGG | AAGATCTCGC | AGAAAAGGGC | ACGCTCGGGG | TCGGGGTCCG |
| | 31021 | GAAGGGCCAC | CTGGCACAGC | GGCTCGGTGA | GGACCGTGAG | GCACCGAAAA | ATCTTAAGCC |
| 55 | 31081 | GCTCGTCCCC | CCGAACGACG | CGCCACACGA | AGACAGAGTT | GGCGATGCGC | GCGACGAGGT |
| | 31141 | CGGCTTCGGG | CCCCGGGTCG | GGGGCGCGCG | CGTCGGGGGG | GGCGCCCCCG | TGACCCGGCG |
| | 31201 | GGGCCGCGGC | TCCCGGGGGG | CCTGGCGTCT | CCTGGGGACG | CCAGAGTGCC | CGCTGTGCCA |
| | 31261 | GGTTGGTGGT | GGGGAAGGGA | CCGAGACGCG | ACAAAAGCA | GAGGGGCCAG | GCGGTGTATG |
| | 31321 | AGTTGGGGGG | GGGGTGGGTG | AGCGGTGGAA | CAAAAGCACG | CGTCAGCGGA | CAAGGCCGGG |

| | | | | | | | |
|----|-------|------------|-------------|-------------|------------|------------|------------|
| | 31381 | TCCCGTAGCC | GCCCCGCGAC | AGAACCGGAG | TCCGACGGCA | CGCGCGACGG | GGTCTGCGAG |
| | 31441 | GCTGAGGTAC | GCCGCGGTGT | TAATGGTAAA | CGCAAAGCCT | CCCGGAAAGA | CCACTAGCCC |
| | 31501 | GCAGAGGCGG | CGATTGAACC | CAAGGCAGAG | GTACGCGTAG | CTCTCTCCCG | GAAGGTATTG |
| 5 | 31561 | CTCGCAGACC | CTGTGTGGGG | CAGTGGAGGG | GCTGCCCTCC | ATGAAGCGAC | ATTTACTCTG |
| | 31621 | CTCGCGTCCA | TTGACGTCAC | CGTCAATCAC | CACTGCGATT | GGACGGTTGG | TGAGGCGCAG |
| | 31681 | CGTGTCTCCG | CTGGTGTCTGT | AGTAGTCAAA | CGCGTAGTGG | GCGTCGGAGT | CGGCCAAGCG |
| | 31741 | GGCGGGGATG | TCGTGCTGA | GAGGGACGAG | CCGCCGCCGC | CGCCCCCGAC | CGCCCTGGCC |
| | 31801 | GCCCAGATGC | GCCAGCACGG | CCAGGGCGTA | CGCGGTGTGA | AAGAACGCGT | CGGGGGCGGT |
| | 31861 | CCCCTCGAGG | GCGCGCATCA | GGTTCTCCAG | GAGCACGGGG | AAGCGCCGCG | TCACCTCCCC |
| 10 | 31921 | TAGCCACTCG | CTCTGGTGGG | GGCCAAAGTC | GTAGCGCAGG | CGCTGGAAGA | TGCGCGGGCC |
| | 31981 | GCCTTGGAGC | GCGGCCCCGA | TAGAGTGGCC | CAGGGCCCCG | AGACACGCGA | TCTGGATGCG |
| | 32041 | CGCGACGAAG | GCCACCTCGG | CCGCGATGTC | AAAGGGCTGC | AGCACGGGGC | GCGGGTGGCG |
| | 32101 | CAGGGGTCCC | TCGAGCGCGG | GAAAGCGACG | CAGCAGCGCC | GTCTGGGCCG | CGGGGGACAG |
| | 32161 | CTGGTGGGGG | GCGACGACGC | GCTCGGCGGC | ACAGGCCTCC | GTCAGGGCCG | TGGCCAGCTC |
| 15 | 32221 | GGAGGACAGC | GCGGGGGGGC | GGGCGCGTCG | CCCGCCCCAC | GCCACCGAAT | TCTCGTAGGA |
| | 32281 | GACGACGACG | AAGCGCTGCT | TGGTCCCGTA | GTGATGGCGC | AGGACCACGG | AGATGGAGCG |
| | 32341 | ACGGCTCCAC | AGCCAGTCGG | GCCGGTCGCC | GCCGGCCAGA | GCTTCCACAC | CGCGGTCCAG |
| | 32401 | CCACTCGACC | AGCGATCGCG | GCTTGGCGGT | CCCCGGCACG | AGGGTGAGCA | CGTCGTGAG |
| | 32461 | GACGTCTCTG | CCCGCGGCC | GGGGGCCCCC | CCGGCTGGCA | AAGCGCCCCC | CGCCGGGCGG |
| 20 | 32521 | CTCCAGGCCC | GCCAGCACCG | CCTCCGCGTC | CGACGCGCCC | AGGGCTCCCC | CGCTGACGGC |
| | 32581 | CTGGTGGACC | AGGGCGCCCT | GGCGGAGCCC | CGAGGCGACG | CCGGAGGCCG | CGTGTCTGGG |
| | 32641 | GCGCGCGCGG | ACCGGTGGC | GGCGGGTGAC | GTCTGTCACG | GCCCCGTGGA | CCAGCGCGAG |
| | 32701 | GATCTCCTCG | TTCTCTTGCG | TGATGGACAC | GTCTCCGCG | GTGGCCGTGT | CGCTCCCCGG |
| | 32761 | GGCCGTGAGC | TGCTCTCTCG | GGGAGATGGG | GGGGTCTGGG | GTGCCGACAA | CGCCGGCCCC |
| 25 | 32821 | GGCCCCGCC | GAGACCGAGG | ACGCCCTGGG | AGTGGGGGTG | CCGCTTTCCC | CCATCCCCAG |
| | 32881 | GGACAGGTGG | GCCGCCGCCT | CCGTGCGCGC | GGCGGGAGCC | GCGGCCCCCA | GCCGCGCGAC |
| | 32941 | GTAGCGACAA | AAGTGGCGAC | AGAGGCGCAT | GAGGCGCGCG | CCGTGCGCCG | CGTATCGCGT |
| | 33001 | GTTTGGCGGG | ACGAGCTCGT | CGTAACTGAA | CAGGAGCACG | CGGGCACAGG | TCGCCACAGG |
| | 33061 | GCCCCACGCC | AGGCGCAGCG | CCGCGACCGT | GTACGGGTCT | TACACGCCTT | GGGCGTCGCA |
| 30 | 33121 | CGCGACCGGC | AGGGAGACGA | ACAGCCCGCC | CGCGCTGGGG | ACGCGCGGCA | GGAGGTCCGG |
| | 33181 | GTGCGCCGGG | ATGACGGGGG | CTAGGATCGC | CCCCACCGCA | TCCGCCGGCA | CGTAGGCGGC |
| | 33241 | AAACGCCGAA | CGCCACGGGG | TGCAGTCGCC | GGTCGCGTGG | GCCCCGGTCT | GGGTTTCGAC |
| | 33301 | CCCGAAGTTC | GCGGCCGCC | CACCGTCGGG | GCGGCCGCGC | ACGAGGGCGC | ACAGCGGGAC |
| | 33361 | CCCCGCCGCC | GCCAGGCACT | CGCTGGAGAT | GATGACGTGA | ATCAGCGAGG | CGGGGTGCT |
| 35 | 33421 | CGGGTCCCGG | GTGAGATCGT | ATTGGACCTC | GTTGGCAAAG | TGCGCGTTCA | TGGCCCGGCC |
| | 33481 | GGCGGTGCGA | GCCCTTCCCG | GTGCCGGAAG | GGGCGTGGGT | GGGGGGTGCG | TGTGCGCGTC |
| | 33541 | CTCGGGGCC | GCGGGCGCAC | GTGCGCTTAT | ACGCTGTGTG | TTTCGTCTGT | CCCCAGGGAA |
| | 33601 | TCCGGGGCCA | GGACTTTAAC | CTGCTTTTCG | TCGACGAGGC | CAACTTTATT | CGCCCGGATG |
| | 33661 | CGGTCCAGAC | GATTATGGGC | TTTCTCAATC | AGGCCAACTG | CAAGATCATC | TTCGTCTCGT |
| 40 | 33721 | CGACCAACAC | CGGGAAGGCC | AGCACGAGCT | TTTTGTACAA | CCTCCGCGGG | GCCGCCGACG |
| | 33781 | AGCTGTCTAA | CGTGGTCACC | TATATATGCG | ACGACCACAT | GCCGCGGGTG | GTGACGCACA |
| | 33841 | CCAACGCCAC | GGCCTGTTCC | TGCTATATCC | TGAACAAACC | CGTGTTTATC | ACGATGGACG |
| | 33901 | GCGCCGTTTC | CCGACCGGCC | GATCTGTTTC | TGCCCGACTC | CTTCATGCAG | GAGATCATCG |
| | 33961 | GGGGGCAGGC | CCGCGAGACC | GGCGACGACC | GGCCCGTCTC | AACAAAGTCG | GCGGGGGAGC |
| 45 | 34021 | GGTTTCTGCT | GTACCGCCCC | TCCACCACCA | CCAACAGCGG | CCTGATGGCC | CCCGAGCTGT |
| | 34081 | ACGTGTACGT | GGACCCGGCG | TTCACGGCCA | ACACGCGCGC | CTCCGGCACC | GGCATCGCGG |
| | 34141 | TCGTGCGGAG | GTACCGCGAC | GATTTTCATTA | TCTTCGCCCT | GGAGCACTTT | TTCCTCCGCG |
| | 34201 | CGCTCACGGG | ATCGGCCCCC | GCGGACATCG | CCCGCTGCGT | CGTGACACAG | CTCGCCAGG |
| | 34261 | TGCTGGCGCT | GCACCCCGGG | GCGTTTCGCA | GCGTTCGCGT | GGCGGTGAG | GGCAACAGCA |
| 50 | 34321 | GCCAGGACTC | GGCCGTGGCC | ATCGCCACAC | ACGTGCATAC | CGAGATGCAC | CGCATCCTGG |
| | 34381 | CCTCGGCGGG | GGCCAACGGC | CCGGGGCCCG | AGCTCCTCTT | CTATCACTGC | GAGCCGCCCG |
| | 34441 | GCGGCGCGGT | ATTGTACCCC | TTCTTTCTGC | TCAACAAACA | GAAGACGCCC | GCCTTCGAAT |
| | 34501 | ACTTTATCAA | AAAGTTCAAC | TCCGGGGGCG | TCATGGCGTC | CCAGGAGCTC | GTCTCCGTGA |
| | 34561 | CGGTGCGCCT | GCAGACCGAC | CCGGTCGAGT | ATCTGTCCGA | GCAGCTCAAC | AACCTCATCG |
| 55 | 34621 | AAACCGTCTC | TCCCAACACC | GACGTCCGCA | TGTAATCCGG | AAAACGCAAC | GGTGCCGCGG |
| | 34681 | ACGACCTCAT | GGTCGCGGTC | ATCATGGCCA | TTTACCTGGC | GGCCCCGACC | GGGATCCCCC |
| | 34741 | CGGCCTTTTT | TCCGATCACG | CGCACGTCTT | GAGTCTTTCT | TGCCGTTTCT | TTTGTTCCTC |
| | 34801 | TTTCTTTCCC | CCCCCTCTCT | CGCAATAAAC | GCCTTCCCGG | AACTGTGTTT | CCCCCCTAC |
| | 34861 | AACAGTGTTG | TCCGTTGGTT | GGGTGGTTGG | GGTGCGGGGG | TGGGCGGGGG | AAGCAAGAAA |

| | | | | | | | |
|----|-------|-------------|-------------|------------|-------------|-------------|------------|
| | 34921 | ACGGTCGGCG | AACACAACAT | CGGGAAAACG | GATTCCCGCA | CGTGCGTCTT | CCCAGATTCG |
| | 34981 | ACACACACAC | CCCCCTTCTC | CTTAAATAAA | CACAAACCAC | ACGCTCGTTG | GTTGGTTAAT |
| | 35041 | GCCAGCGCTT | TATTTACGTC | TTGTTTTTTT | TGCGTTTCCT | CCGCGGGTCC | CTTCCCAACA |
| 5 | 35101 | CGCCTGCCCC | CGCCTCAGGG | GTAGCGGATA | ACCGGGGGCCA | TGTCGCCGGA | TTGCACAACG |
| | 35161 | GCGGCGCCGT | CGAACGTACA | CACCCGAACC | GCCGGGGCCA | GGGCCAGGAT | GTCCCCGAGT |
| | 35221 | TGGCCCGCGT | GCGCCAGCCA | GGCGACCAGC | GCCTCGTAAA | GCGGCGACCT | CGGTTTCGCC |
| | 35281 | TCCTGCATCA | GCATGGGGGC | TTGCGGGTGG | ATGAGCTGGG | CGGCTTCTCG | CGTGACGCTC |
| | 35341 | TGCATCTGCA | GGAGCGCGTT | CACGTATCCG | TCCTGGGCGC | TCAGCGCGAG | CAGCCGGGGG |
| | 35401 | ATGAGCGTGA | GGATGAGGGT | GGTTCCCTTC | GTTATGGAGT | AGACCATGTT | GAGGACGAGC |
| 10 | 35461 | GACCGCAGCT | CGGTGTTTTAC | GGAGGCGAGT | TGCTGGACGT | CGGCCACGAG | CGAGAGACGG |
| | 35521 | GCCCCGTTGT | AATACAGCAC | GTTGAGGTCG | GGGAGCTCCC | CGGGCGTCCG | GGGGTCGGGG |
| | 35581 | TTGAGGTCCC | GGATGCCCCG | GGCGACCAGC | CGCGCGACTA | TCTCGCGGGC | CAGGGGCGTT |
| | 35641 | GGGAGCGGGA | CCGAAAACCG | CAGCGTGAGG | TCCAGCGACT | CCAGGCGCAC | GTCCGTCGCC |
| | 35701 | TGGCCCTCGA | AGACGGGCGG | GACGAGGCTG | ACGGGATCCC | CGTTGCAGAG | GTGACGGGG |
| 15 | 35761 | GAGGTGTTGC | GGAGATTGAC | GGTGCCGGCG | TGCGTGAGCC | CCAGGTCCAC | GGGGCAGGCG |
| | 35821 | ACGATTCCGC | TGGGCAGCAC | CCGCGTGATT | ACCGCGGGGA | AGCGCCTGCG | GTACGCCAGC |
| | 35881 | AACAACCCCA | ACGTGTCGGG | ACTAACTCCT | CCGGAGACGA | ACGATTCTGT | CGCCACGTCC |
| | 35941 | GCGAGCGCCA | GCTGGCGGGC | GATGGTCGGC | AGAAAGACCA | CTCGACCTCT | GCACCGCTGC |
| | 36001 | AGCGCCGCGG | CATCGGGGCG | CGAGATACCC | GAGGGGATCG | CGATGTCTGC | TTCGAAACAA |
| 20 | 36061 | TCCGTGATCA | TGGCGCCGGG | CCGCGAGACA | CCGGAACGCG | GGGGTGCGGG | AGGGCCGGAA |
| | 36121 | AGCGCAACGC | AACCGGGACG | ATGATGAAAC | AGAGATGGGG | GGCACCAGCC | GTGTGGGAGA |
| | 36181 | GGGGGCGGGG | CAGGGCTCAG | CAGCACGCAC | GGGGAGGTCT | GTCGTGCGCA | GGAGCCCCAG |
| | 36241 | GTGAGAAATCA | GTCCCCCGGA | GCTCGGGTCT | GGGTTTTATT | GGGACCTGCC | CTCGGAATCG |
| | 36301 | CGGCTCCAG | TCCAAGCCCC | CCTGGGGGGG | GCGGGGACAG | GGGGTGTTGT | TGGGTAAAAG |
| 25 | 36361 | CAACTCGGA | AAATCAAACC | CAATGCCCCA | AACAGGAAAA | AAAAAGACGG | GCGGGTGGAG |
| | 36421 | GGAAAGCTGG | GGAAGAAGAA | GCCAATTTTA | CAGAGACAGG | CCCTTTTAGCG | GGGAGGCGTC |
| | 36481 | GTAGATGAGA | TACTGCGTAA | AGTGGGTCTC | TCGCGCGTGG | GCCTCCCCAT | CGCGGGCGCT |
| | 36541 | GCGTAGCAGG | GCGGGGTGCG | TGGCGCAGGT | GATCGGGTAG | GCTTCCTGAA | ACAGGCCGCA |
| | 36601 | CGGGTCTTCC | ACGAGCTCGC | GGCACCCCGG | CGGGCGCTTA | AACTGCACGT | CGCTGGCAGC |
| 30 | 36661 | GGTGGCCGTG | GATACCGCCG | ATCCCGTTTC | CACGATGAGA | CGCTCCAGGC | AGCGATGTTT |
| | 36721 | GGCCGTGATG | TCGGCCGCGG | TGAAGAACTT | GAAGCAGGGG | CTGAGGACGG | GCGAGGCCCC |
| | 36781 | GTTGAGGTGA | TAGGCCCCGT | TGTACAGCAG | GTCCCCGTAC | GAGAACCGCT | GCGACGCCCA |
| | 36841 | CGGGTTGGCC | GTGGCCGCGA | AGGGCCGCGC | CGGGTCGCTC | TGGCCGTGGT | CGTACATGAG |
| 35 | 36901 | GGCTATGACG | TCCCCCTCCT | TGTCCCCCGC | GTACACGCCG | CCGGCCGCGC | GTCCCCGCGG |
| | 36961 | GTTGCAGGGC | CGGCGAAAGT | AGTTGATGTC | CGTGGCCACG | GGGGTGCGGA | TGAACTCACA |
| | 37021 | CACGGCATCC | TGCCCCGTGGT | CCATGCCGGC | GCGCCGCGGC | ACCTGGGCGC | AGCCAAAGAC |
| | 37081 | CGGGAGGGGC | TGGGCCGGCC | CCAGCCGGTT | TCCCGCCACG | ACCGCGTTGC | GCAGGTACAC |
| | 37141 | GGCGGCCGCG | TTGTCTAGCA | GCGGGGGGGC | CCCGCGGCCG | AGGTAAAAGT | TTTGGGGGAG |
| | 37201 | GTTGCCCATG | TCCGTAACGG | GGTTGCGGAC | GGTGCCCGTG | GCCGCGACGG | CGGTGTAGCC |
| 40 | 37261 | CACACCCAGG | TCCACGTTTC | CGCGCGGCTG | GGTGAGCGTG | AAGTTGACCC | CCCCGCCCGT |
| | 37321 | TTGTTGGCGG | GCCACCTGGA | GCTGGCCAG | AAAGTACGCC | TCCGACGCGC | GCTCGGAAAA |
| | 37381 | CAGCACGTTT | TCGGTCACGA | AGCGGTCCTG | CCGCACGACG | GTGAACCCGA | ACCCGGGGTG |
| | 37441 | GAGGCCCGTC | TTGAGCTGGT | GATACAGGGC | CACGGGGCTC | ATCTTGAAGT | ACCCCGCCAT |
| 45 | 37501 | GAGCGCGTAG | GTCAGCGCGT | TCTCCCCCGC | CGCGCTCTCG | CGGGCGTGCT | GCACCACGGG |
| | 37561 | CTGGCGGATG | GAGGAGAAGT | AGTTGGCCCC | CAGGGCCGGG | GGGACCAGGG | GGACGTCGCG |
| | 37621 | CGCCAGGTCG | CGCAGGGCCG | GGGGGAAGTT | GGGCGCGTTG | GCCACGTGGT | CGGCGCCCGC |
| | 37681 | AAACAGCGCG | TGGACGGGCA | GGACGTAGAA | GTATTCGCCA | TTTTTGATGG | TGTGGTCCAG |
| | 37741 | GTGCTGGGGG | GCCATGAGCA | GCACGCCGGC | GTGCAGCGCC | CCGTCGAAGA | TGCGCATGTT |
| | 37801 | GGCCGTCGAC | GCGGTGTTGG | CGCCCGCGTC | GGGCGCCGCG | GAGCACAGCA | GCGCCGTCGT |
| 50 | 37861 | GCGCTCGGCC | ATGTTGTGCG | CCAGCACCTG | CAGCGTGAGC | ATGGCGGGCC | CGTCGACGAC |
| | 37921 | GACGCGCCCG | TTGTGGAACA | TGCGCTTGAC | CGTGTTGGCC | ACGAGATTGG | CGGGATGCAG |
| | 37981 | CGGGTGGGCG | GGGTGCGTCA | CGGGATCGCT | CGGGCACTCC | TCACCGGGGG | CGATCTCCGG |
| | 38041 | GACCACCATG | TTCTGCAGCG | TGGCGTACAC | GCGGTGGAAG | CGGACCCCCG | CGGTGCAGCA |
| | 38101 | GCGCCCCCGC | GAGAAGGCCG | GCACCAGCAC | GTAATAGTAG | ATTTTGTGGT | GGACGGTCCA |
| 55 | 38161 | GTCGGCCGGC | CGGTGCGGCC | GGTCGTGCGC | GGCGTCGGCC | GCGCGGGCCT | GGGTGTTGTG |
| | 38221 | CAGCAGCCGG | CCGTGCTTGC | GGTTAAAAGT | GGCCGTGCGC | ACGTTGCACG | CCGCCGCGTA |
| | 38281 | GACGGGCTCG | TGCCCCCCCC | CGTCAATCCG | GCAGTCTCGG | TGGCGGTCCA | GGGCCGCGTG |
| | 38341 | TCGCATAAGG | CCGTGCGAGT | CCCACACGAG | GGGCGGCAGC | AGCGCCGGGT | CGCGCATCAG |
| | 38401 | GTGATTTCAGC | TCGGCCTGAG | CCTGCCCCGC | CAGCTCCGGG | CCCGGCAGGG | TAAAGTCGTG |

| | | | | | | | |
|----|-------|-------------|-------------|------------|------------|-------------|-------------|
| | 38461 | CACCAGCTGG | GCCAGGGCCT | CGACGTGGGC | CACCAGGTCC | CGATACACGG | CCATGCACTC |
| | 38521 | CTCGGGGAGG | TCGCCCCCGA | GGTAGGTCAC | GATGTACGAG | ACCAGCGAGT | AGTCGTTTAC |
| | 38581 | GAACGCCGCG | CATCGCGTGT | TGTTCCAGTA | GCTGGTGATG | CACTGAGTCA | CGAGCCGCGC |
| 5 | 38641 | CAGGGCGCAG | AACACGTGCT | CGTTGCCGTG | AATCGCGGCT | TGCAGCAGGT | AAAACACCGC |
| | 38701 | CGGGTAGCTG | CGGTCCTCGA | ACGCCCCGCG | GACGGCGGCT | ATGGTAGCCG | GCGCCATGGC |
| | 38761 | GTGGCGGCCA | ACGCCGAGCT | CCAGGCCCCG | GGCGTCACGA | AACGCCACCG | GACACAGCGC |
| | 38821 | CAGGGGCAGG | TTGCCGTTGA | CCACGCGCCA | GGTGGCCTGG | ATCGCCCCCG | GACCGGCCGG |
| | 38881 | GGGGACTTCG | CCGCCGGGAA | GCTCGACGTC | GGCCACGCCC | GCGAAGAAGT | CGAACGCGGG |
| | 38941 | GTGCAGCTCC | AGAGCCAGGT | TGGCGTTGTC | GGGCTGCATG | AACTGCTCCG | CGGTCATCTG |
| 10 | 39001 | GCACTCGGCG | ACCCACCGGA | CCCGGCCGTG | GGCGAGGCGC | TGCCGCCAGG | CGTTCAGAAA |
| | 39061 | ACGCTGCTGC | ATGTCCGCGC | CGGGGCCGCG | CGGGGCCGCG | ACGTACGCCC | CGTACGGATT |
| | 39121 | CGCGGCCTCG | ACGGGGTTCG | GGTTCACGCC | CCCGACGGCC | GCGTCGATGT | TCATGAGCGA |
| | 39181 | AGGATGACAC | ACGGTCCCAG | CCGCGTTCTC | CATGGACAGC | CGCAGAACCT | GGTGGTCCTT |
| | 39241 | TCCCCAAAAA | AACAGCTGCG | GGGGAGGGAA | CGCGCGGGGC | TCCGGGTGGC | CGGGGGCGGG |
| 15 | 39301 | CACCAGGTCC | CCGGCGTGCG | CGGCGAAGCG | CTCCATGGCC | GGGTGAACA | CCCCCAGGGG |
| | 39361 | CAGGACGAAC | GTCAGGTCCA | TGGCGCCAC | CAGGGGGTAG | GGCACGTTGG | TGGCGGCGTA |
| | 39421 | GATGCGTCTC | TCCAGGGCCT | CCAGGAAGAC | CAGCCTGTCT | CCTATGGCCA | CCAGATCCGC |
| | 39481 | GCGCACGCGC | GTTGTCTGGG | GGGCGCTTTC | GAGTTCATCC | AGCGTCTCCC | GGTTCGCTCT |
| | 39541 | GAGTTGCTCC | TCCTGCATAT | CCAGCAGGTG | GCGGCCACAG | TCGTCCAGGC | TCCGCACGGC |
| 20 | 39601 | CTTGCCCATC | ACCAGCGCCG | TGACGAGGTT | GGCCCCGTTT | AAGACCATCT | CGCCGTAGGT |
| | 39661 | CACCGGCACG | TCGGCCTCGG | TGTCCTCCAC | CTTCAGGAAG | GACTGCAGGA | GGCGCTGTTT |
| | 39721 | GATGGCGGCG | GTGGTGACCA | GCACCCCGTC | GACCGGCCGC | CCGCGCGTGT | CGGCGTGCGT |
| | 39781 | CAGGCGGGGC | ACGGCCACGG | ACGGCTGCGT | CGCCGTGGTC | AGGTCCACGA | GCCAGGCCTC |
| 25 | 39841 | GATGGCCTCG | CGGCGATGGC | CGCCCTTGCC | CAGGAAGAAG | CTCGTGTCTC | AAAAGCTCCG |
| | 39901 | CTTCAGCTCG | GCGACCAGGG | TCGCCCCGGC | AACCCTGGTC | GCCAGGCGCC | CGTTGTCTGAG |
| | 39961 | ATATCGTTGC | ATGGGCAACA | GCAGGGCCAG | GGGAGGCGCC | TTCTCCAACA | GCACGTGCAG |
| | 40021 | CATCTGGTCG | GCCGTGCCGC | GCTCAAACGC | CCCCAGGACG | GCCTGGACGT | TGCGCGCGAG |
| | 40081 | CTGCTGGATG | GCGCGCAGCT | GGCGATGCAG | GCTAATGCCC | GTCCCCTCCA | GGGCCTCCCC |
| 30 | 40141 | CGTGAGCAGG | GCAATGGCCT | CGGTGGCCAG | GCTGAAGGCG | GCGTTCAGGG | CCCGGCGGTC |
| | 40201 | GATGACCTTC | GTCATGTAAT | TATGCACGGG | CTGCTCGACG | GGGTGCGGGC | CGTCGCGGGC |
| | 40261 | GATGAGGGGC | TGGTGGACCT | CGAACTGCAC | ACGCCCTTCG | TTCATGTAAG | CCAGCTCCGG |
| | 40321 | GAAC TTGGTG | CACACGCACG | CCACGGACAG | GCCGAGCTCC | AGAAAGCGCA | CGAGCGACAG |
| | 40381 | GGTGTTCGAG | TAGGACCCCA | GCAGGGCGTC | AAACTCTACG | TCATACAGGG | TGTTTTCTGTC |
| | 40441 | GGAGCGCACG | GCGGCGAAAA | AATCAAAGAG | TCTGCGGTGG | GACCCACCTT | CATCGTACT |
| 35 | 40501 | CAGGATGGAG | CCGGTGGGCA | GGATGGCCGC | GGCGTACCGG | TAACCCGGGG | GGTCGCGGGC |
| | 40561 | AGGAGCGGCC | ATTGGGTTCC | TTGGGGGATT | CGCAGGCTCC | ATCAAGCCGA | GCTCGGGAAG |
| | 40621 | GCCAAGCCCC | TCCCGCACAA | CGCCTCACC | CCGGCGGACG | CGACTAACAA | CCCACGGGCC |
| | 40681 | GCCAAAACCC | CAAGGGGCAA | CCCGACCAAC | AACAGGCGAG | GGGAGGAAAG | GCGTAAAGGG |
| | 40741 | GGCGTTGGGA | GGCAAAAAGA | AAGAAAAAC | CCAGACGTAG | GCCCCGAGGAC | CGGCCGGCGT |
| 40 | 40801 | CCTCTGTCCC | CGAGCACCCA | CTGTGCCCAA | CAGGCACGGG | GGCGAGCTGC | CCCTGCCTTA |
| | 40861 | TATACCCCC | CGCCACACCC | CCGTAGAAAC | GCGACGGGTG | CCTTCAAGAT | GGCCCTGGTC |
| | 40921 | CAAAAGCGTG | CTAGAAAAAA | GTTGGTAAAG | GCGGCAAGAG | AGTCGCGCCG | CGCCACCCAC |
| | 40981 | ATGGCGGCGC | CGGCCGCGCA | GGCGATTCCC | AGAGAACGGG | CGCGGAGGGG | ATCCGTGCGG |
| | 41041 | GGCAGCAGCT | GGCTGGCGGT | GATCCAATGG | AAAAGCCCGT | CGGGACTGAA | CGTCTCATGG |
| 45 | 41101 | GCGGCGGCCA | CCAGGGCGCA | CAGGGCCGCG | CCGCCCATGA | TCACGCACAA | CCCCCAAAAC |
| | 41161 | ACGGGTGGCG | ACAACGGCAG | GCGATCCCGT | TTGATGTTCA | CGTACAGGAG | GAGCGCCCGT |
| | 41221 | GCCAGCCACG | TGACATAGTA | GGCGAGGACG | GCGGCTATAA | TACATGCCGG | CGCCACCGCC |
| | 41281 | CGTCCGGTCC | ACCCGTAATA | CATGCCCGCG | GCCACCAGCT | CCAGCGGCTT | GAGGACCAGG |
| | 41341 | AACGACCAAG | CAAACATCAC | CACCCGCTTG | GAAAAGACCG | GCTGGGTGTG | GGGCGGAAGA |
| 50 | 41401 | CGCAGTAGAG | CCGAAC TGAC | AAAAAAATCA | GACGTGCCGT | ACGAGGACAG | CGAAAAC TGT |
| | 41461 | TCATCGAGCG | GCACTTCTCC | GTCCTCCCCG | CCACACGCGG | CCTCGTCTAC | CAGTCTCGCA |
| | 41521 | TCCAACAAAG | GAACATCATC | CCGCATTGTC | ATGGTCTGGT | CGGGGAGCCG | GCGAGGCAGC |
| | 41581 | AAAACCGAAA | GTAGTGCTGG | CGGCGCGGGC | CCGGGTCCGG | ACCCAAGCTT | CAGGGATGGG |
| | 41641 | GGGCGGAGGC | CAAAATCAAA | CAAGCACCGC | GCGGGTTCTA | CACACAACCC | CCACCCGGGT |
| 55 | 41701 | AGTATCCGCG | GATGCGAGTG | CCTGGCGAAG | TCACGTCCCA | GCAGGATATA | AACCTCGGCC |
| | 41761 | GTTGGGCCCG | GAACCCCGCA | AATTACACAC | CACGCCCTGA | CGCCCAAATC | ATGGGTGGAT |
| | 41821 | GTGGTTTCGCG | AGCCGCACAT | CCGTGCGTCC | GCCCTCCCCC | GCGGGCTGAT | GACGTGGCGG |
| | 41881 | TTAGTTCAGTG | GGAAGGCAGG | GGGAAAGATG | GGTTGGGGGA | GGAAACGAAG | AAAACACCCA |
| | 41941 | GAGGGCCACG | TCGGGAATGC | GCCCCGAGTT | GTCTTTAAAA | GGCCGCGCGT | GCGTGACGGA |

| | | | | | | | |
|----|-------|------------|------------|-------------|------------|-------------|-------------|
| | 42001 | AGCCGTCGTT | TGCCCAAGCA | CCGACGCCGC | GATCCACAGT | GGGGGGAGTT | CCTCCGTCCG |
| | 42061 | GCCACAACCC | TACGCGCGGG | CGGCACGCGC | GAGAGCAACC | CACGGGTCCC | GTTCGCGCCA |
| | 42121 | CCGCCAGCCC | TTGCTCCAC | CACCCTCCTC | CCACCACCCC | ACTATTCCCC | CCCCAAGTC |
| | 42181 | CGCCCCGTGG | CTCGCCGGCC | ATGGAGCTCA | GCTATGCCAC | CACCCTGCAC | CACCGGGACG |
| 5 | 42241 | TTGTGTTT | CGTCACGGCA | GACAGAAACC | GCGCCTACTT | TGTGTGCGGG | GGGTCCGTTT |
| | 42301 | ATTCCGTAGG | GCGGCCTCGG | GATTCTCAGC | CGGGGGAAAT | TGCCAAGTTT | GGCCTGGTGG |
| | 42361 | TCCGGGGGAC | AGGCCCCAAA | GACCGCATGG | TCGCCAACTA | CGTACGAAGC | GAGCTCCGCC |
| | 42421 | AGCGCGGCCT | GCGGGACGTG | CGGCCCGTGG | GGGAGGACGA | GGTGTTCCTG | GACAGCGTGT |
| | 42481 | GTCTGCTAAA | CCCGAACGTG | AGCTCCGAGC | GAGACGTGAT | TAATACCAAC | GACGTTGAAG |
| 10 | 42541 | TGCTGGACGA | ATGCCTGGCC | GAATACTGCA | CCTCGCTGCG | AACCAGCCCG | GGGGTGCTGG |
| | 42601 | TGACCGGGGT | GCGCGTGCGC | GCGCGAGACA | GGGTCATCGA | GCTATTTGAG | CACCCGGCGA |
| | 42661 | TCGTCAACAT | TTCCTCGCGC | TTCGCGTACA | CCCCCTCCCC | CTACGTATTC | GCCCTGGCCC |
| | 42721 | AGGCGCACCT | CCCCCGGCTC | CCGAGCTCGC | TGGAGCCCCC | GGTGAGCGGC | CTGTTTGACG |
| | 42781 | GCAATCCCCG | CCCGCGCCAG | CCCCTGACG | CCCGCGACCG | GCGCACGGAT | GTCGTGATCA |
| 15 | 42841 | CGGGCACCCG | CGCCCCCAGA | CCGATGGCCG | GGACCGGGGC | CGGGGGCGCG | GGGGCCAAGC |
| | 42901 | GGGCCACCGT | CAGCGAGTTC | GTGCAAGTGA | AGCACATCGA | CCGTGTTGTG | TCCCCGAGCG |
| | 42961 | TCTCTTCCGC | CCCCCGCCG | AGCGCCCCCG | ACGCGAGTCT | CCGCCCCCGG | GGGCTCCAGG |
| | 43021 | AGGCCGCCCC | GCCGGGCCCC | CCGCTCAGGG | AGCTGTGGTG | GGTGTTCCTAC | GCCGGCGACC |
| | 43081 | GGGCGCTGGA | GGAGCCCCAC | GCCGAGTCGG | GATTGACGCG | CGAGGAGGTC | CGCGCCGTGC |
| 20 | 43141 | ATGGGTTCCG | GGAGCAGGCG | TGGAAGCTGT | TTGGGTCGGT | GGGGGCTCCG | CGGGCGTTTC |
| | 43201 | TCGGGGCCGC | GCTGGCCCTG | AGCCCCACCC | AAAAGCTCGC | CGTCTACTAC | TATCTCATCC |
| | 43261 | ACCGGGAGCG | GCGCATGTCC | CCCTTCCCCG | CGCTCGTGCG | GCTCGTCGGT | CGGTACATCC |
| | 43321 | AGCGCCACGG | CCTGTACGTT | CCCGCGCCCG | ACGAACCGAC | GTTGGCCGAT | GCCATGAACG |
| | 43381 | GGCTGTTCCG | CGACGCGCTG | GCGGCCGGGA | CCGTGGCCGA | GCAGTCTCTC | ATGTTTCGACC |
| 25 | 43441 | TCTTCCCGCC | CAAGGACGTG | CCGTGCGGGA | GCGACGCGCG | GGCCGACAGC | GCCGCCCTGC |
| | 43501 | TGCGCTTTGT | GGACTCGCAA | CGCCTGACCC | CGGGGGGGTC | CGTCTCGCCC | GAGCACGTCA |
| | 43561 | TGTACCTCGG | CGCGTTCCTG | GGCGTGTTGT | ACGCCGGCCA | CGGACGCCTG | GCCGCGGCCA |
| | 43621 | CGCATACCGC | GCGCCTGACG | GGCGTGACGT | CCCTGGTCCT | GACCGTGGGG | GACGTCGACC |
| | 43681 | GGATGTCCGC | GTTTGACCGC | GGGCCGGCGG | GGGCGGCTGG | CCGCACGCGA | ACCGCCGGGT |
| 30 | 43741 | ACCTGGACGC | GCTGCTTACC | GTTTGCCCTGG | CTCGCGCCCA | GCACGGCCAG | TCTGTGTGAG |
| | 43801 | ATATCCCAAT | AAAGTGCAGT | CGTTTTCTAA | CCCACGGATG | CCGTTGTATG | CCTATACGGG |
| | 43861 | GGACTATGGG | GGGGGAAAGG | AAAGGAAACA | GGAATGGAGA | AGGGAAAGGA | ACAGAGGCGG |
| | 43921 | TAGCGGACGC | ACGGCGGACA | CAATAACAAA | CAGACCGCGG | ACACGGAGGG | AGTCGGTTGG |
| | 43981 | GTTGGGCGTG | GACGCCGCTG | CGTCCACACA | CCCGTTTATT | CGCGTCTCCA | CAAAAATGGG |
| 35 | 44041 | ACGCACGTTT | GGACCACCTT | AAGGATGCCC | GCCAGGGCCG | CGGTAATCAT | AACGACCCCC |
| | 44101 | AGCGCGGACG | CGGCCAGAAA | CCCGGGGGCG | ATGGTGGCGA | TGGGCAGCGT | GTCAAAGGCC |
| | 44161 | AGCAGATGAA | TCACAGTTCC | GTTGGGGAAC | AACAACAGGG | CCACGGACGG | CACGTCGCTG |
| | 44221 | GAAAACACGT | TCGGGGTGCC | CGCCACCGGC | CCCTGGGCCA | GCTGCTGTTG | GGTGGCATCC |
| | 44281 | GTGTCCACCA | GCAGCACCGA | CATGACCTCC | CCGGCCGGGG | TGTAGCGCAG | AAACACGGCC |
| 40 | 44341 | CCCACGAGGC | CGAGGTGCGG | CCGGTTTTTC | GTGCGCACCA | GCCGCTTCGG | CTCAATCTCC |
| | 44401 | CGCGCGTGCC | CTTCGCAGGT | GGCGGTGAGA | TAGGTGATAA | ACAGCGGGCG | GCGGACGTCA |
| | 44461 | ACGCCCGTAA | GCTTGTATCC | GATCCCGCGG | GGCAAGGGGG | TGTGGGTGAC | GACGTAGCTG |
| | 44521 | GCGTTGTGGG | TGATGGGCAC | GAGGATCCGG | GGCTCCGCGT | TGTGCGACGG | GCCCTACAC |
| | 44581 | TGGTGGGTGG | CCTCCGGGAC | GAAGGCGCGG | ATCAGGGCGT | TGTAGTGCGC | CCAGCGCGTG |
| 45 | 44641 | AGAACGGAGG | CCACGCCGCG | GGTCTGTTGT | GCCATGACGT | CCGCCGGGAT | GTCGGATCGG |
| | 44701 | GTGGCCATGG | CCAGCGCGTC | CAGGATGAAC | CCGCCCTCGG | CGAGATCGAA | GCGCAGGGAA |
| | 44761 | GCTGCGCATG | GGGAAAAGTG | GTCCGGGAGC | CAGAAGAGGT | TTTTCTGGTG | GTCGGTCTCTG |
| | 44821 | GCTAGCGCGG | CCCGGAGATC | GGCGTGGGTC | GCCGCGGCGA | CGTCGGACGT | ACACAGGGCC |
| | 44881 | GTGGTTATGA | GGAGGCCCCG | GCGGGCGCGT | TCCCGCTGCT | CGGCCGAGGG | CGCGCCCGCC |
| 50 | 44941 | AGGAACGGCG | CCCGGAGGAC | GGCCGTGGCG | TAAAACAGCG | CTCGGCGGAC | CATCGGGGCG |
| | 45001 | GTTAGCGCGC | GGCCGCCGAG | AAACTCGGCG | TACAGGGCGT | CGATCAGGCG | GGCCGCGCTC |
| | 45061 | GGGCGGACCG | CGCGATAGGC | CGCGGGGCTG | TCCAACACGA | ACGCCAGCTG | ATAGCCCAGC |
| | 45121 | GCGTGCGCCA | CCAGGCTCTG | CTCTCGCTCG | AGGATCGCGG | CCACCAGATG | CCCGAGGCGC |
| | 45181 | GCCTCCAGCC | GCAGGCGGGC | CGCCGGGTCC | AACACGGACA | CGTTCAGGAA | CACCGAGTCG |
| 55 | 45241 | GCCGCGCAGC | CCGCTGCTCC | CCGGGCGGCC | AGGCCGGCCA | GCACGCGCGA | GTGGGCCAAA |
| | 45301 | AAGCCCAGCA | GGTCGGAGAG | GCGAATCGCG | TCGTGGGCGT | GGGCCGCGTT | GACGAACGCA |
| | 45361 | AACCCCGACG | AGGCGAGCAG | CCCCGCGAGG | CGCCAGAACA | GGGACGGACG | CGCGTCCGTG |
| | 45421 | CCGGAGCCCG | GGTCCTCCCC | CAAAAACCTCC | GCATAGGCCC | GCGACATATA | CTGGGCGTAG |
| | 45481 | TTCGTGCTCT | CCTCGGGGTA | GCCGGCCACC | CGCCGAGGGG | CGTCCAGCGC | CGAGCCGTTG |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|------------|-------------|
| | 45541 | TCGGCGGGCG | TCGGGGCCCC | CAGGACAAAG | ACGCGATACC | TGGGGCCGGC | CGGAGGCCCG |
| | 45601 | GGGAGCACCG | CGGGGGCGTT | TTCGTCGGTC | GGATTTCCGA | CCCGAGCGAG | GGTCTTGTCC |
| | 45661 | GCAGGCACCA | CTATGATCTC | GGCCGGAGGG | CTGTCCCGCA | TCGATATCAC | GAGCCCCATG |
| 5 | 45721 | AAGCCCTTCC | CGTATCGCGC | GCGCACGAGC | GCGGCGTCGC | ACCCGAACGC | CAGCCCCGCC |
| | 45781 | GTCGTCCAGA | CGCCACGCGG | CCACGTTCGAG | GCCGACGGGG | AGAGGTACAC | GTACCGACCC |
| | 45841 | GGAGTCCGTA | GCAGGCCCCCT | GGCGGCCAGC | CAGGTCACGG | ATGCGTTGTG | CAGATGCGCG |
| | 45901 | ATGCTCAGGT | TCGTCGTCCG | ATGCCTCGGT | GTCCCCCGCG | GCGGCCCGCG | GGGCGGCGCG |
| | 45961 | TTGCGTCGGC | CGTCCGGGTG | CCTCTCGGTC | GCCCCGTCGT | CTCCCCGCGG | GAACGTAAGC |
| | 46021 | CCCTCGCGGT | CCGGCGCGGC | CGCGAATGTT | ACCCAGGCCC | GGGACCGCAA | CAGCGCGGAG |
| 10 | 46081 | GCGCCGGGGT | TGTGCGACAG | TCCCTTGAGC | TGGGTCACCT | CGGCGGGGGG | ACGGGACGTG |
| | 46141 | GGCCCCGCCT | CGGGGAGCTC | GGGCAGGCTC | GCGTTCGAG | GCCGGCCGAG | CAGATAGGTC |
| | 46201 | TTTGGGATGT | AAAGCAGCTG | CCCGGGGTCC | CGAGGAAACT | CGGCCGTGGT | GACCAACACG |
| | 46261 | AAACAAAAGC | GCTCGGCCTA | CCACCGAAGC | ATGGGACACG | ATGCCGTAGT | CAGGTTGAGT |
| | 46321 | TCGCCCGGGG | GCGCCAAGCG | TCCGCGCTGG | GGGTCGCTGG | CGTCGGGGGT | GTTGGGCAAC |
| 15 | 46381 | CACAGACGCC | CGGTGTTTGT | GTGCGGCCAG | TACGTGCGGG | CCAACCCAG | ACCGTGCAAA |
| | 46441 | AACCACGGGT | CGATTGCTC | CGTCCAGTAC | GTGTCATGGC | CCCCGCAAC | GCCCACGAGG |
| | 46501 | ACCCCATCA | CCACCCACAG | ACCGGGGCC | ATGGTCGTG | TCCCGGCTGC | CAGTCCGCGG |
| | 46561 | ATGGGGGGGG | GTGTCCGTAC | CCACGGCCCA | AAGAGGCTCC | GCACCTCGGA | GGCTATCGGA |
| | 46621 | GGCCCTTTGT | TGCCGTAAGC | GCGGGCCAAA | GGATGGGGTG | GGGTGAGGGT | AAAAGCACAA |
| 20 | 46681 | AGGGAGTACC | AGACCGAAAA | CAAGGACGGA | TCGGCCCCGT | CCGTTTTCG | GTGGGGTGCT |
| | 46741 | GATACGGTGC | CAGCCCTGGC | CCCGAACCCC | CGCGCTTATG | GACACACCAC | ACGACAACAA |
| | 46801 | TGCCTTTTAT | TCTGTTCTTT | TATTGCCGTC | ATCGCCGGGA | GGCCTTCCGT | TCGGGCTTCC |
| | 46861 | GTGTTTGAAC | TAAACTCCCC | CCACCTCGCG | GGCAAACGTG | CGCGCCAGGT | CGCGTATCTC |
| | 46921 | GGCGATCGAC | CCGGCGGTTG | TGACGCGGGT | TGGGATCATC | CCGGCGGTGA | GGCGCAACAG |
| 25 | 46981 | GGCGTCTCGA | CACCCGACGG | GCGACTGATC | GTAATCCAGG | ACAAATAGAT | GCATCGGAAG |
| | 47041 | GAGGCGGTTC | GCCAAGACGT | CCAAGACCCA | GGCAAAAATG | TGGTACAAGT | CCCCGTTGGG |
| | 47101 | GGCCAGCAGC | TCGGGAACGC | GGAACAGGGC | AAACAGCGTG | TCCTCGATGC | GGGGCAGAGA |
| | 47161 | CCCCGCGCCG | TCCTCGGGGT | CGGGGCGCGG | GGTCGCGCGG | GCGACCCCCG | TCAGCCGGCC |
| | 47221 | CCAGTCCTCC | CGCCACCTCC | CGCCGCGCTG | CAGGTACCGC | ACCGTGTTGG | CGAGTAGATC |
| 30 | 47281 | GTAGACACGG | CGAATGGCGG | ACAGCATGGC | CAGGTCAAGC | CGCTCGCCCC | GGCGTTGGCG |
| | 47341 | TCTGGCCAGG | CGGTGCGCGT | GTTCGGCCTC | CGGAAGGACA | CCCAGGACCA | GGTTCGTGCC |
| | 47401 | GGGCGCGGTC | GGGGGCGATG | GGGCCACGAA | CGCCAACACG | GCCTGGGGGG | TCATGCTTCC |
| | 47461 | CATGAGGTAC | CGCGCGGCCG | GGTAGCACAG | CAGGGAGGCG | ATAGGGTGCC | GGTCGAAAAA |
| 35 | 47521 | AAGGGTGAGG | GCCGGGGGCG | GGGCTTGCGG | GCCCACAGCC | TCCCCCCGA | TATGAGGAGC |
| | 47581 | CAAAACGGCG | TCCGTCGCCG | CATAAGGCGT | GCTCATTGTT | ATCTGGGCGC | TGGTCATTAC |
| | 47641 | CACCGCCGCC | TCCCCGGCCG | ATATCTCGCC | GCGGTCCAGA | CGGTGCTGCG | TGTTGTAGAT |
| | 47701 | GTTCGTCAGG | GTCTCGGAGG | CCCCCAGCAC | CTGCCAGTAA | GTCATCGGCT | CGGGGACGTA |
| | 47761 | GACGATATTG | TCGCGCGGCC | CCAGGGCCTC | CATCAGCTGC | GCGGAGGTGG | TGGTCTTCCC |
| | 47821 | CACCCCGTGG | GGTCCGTCTA | TATAAACCCG | CAGCAGCGTG | GGCAGCTCCG | GATCCCCGCG |
| 40 | 47881 | GGCTCCGGAG | GCCCCCTGGC | GATGGCTAGG | ACGGGACGCC | GCGCGGCCGT | CGGTAGGCCC |
| | 47941 | GCTCGCACGA | GCAGCCTGAC | CGAACGCAGG | CGCGTGCTGT | TGGCCGGCGT | GAGAAGCCAT |
| | 48001 | ACCCGCTTCT | ACAAGGCGTT | CGCCCGAGAG | GTGCGGGAGT | TCAACGCCAC | CAGGATTGTG |
| | 48061 | GGAACGCTGC | TGACGCTGAT | GAGCGGGTCG | CTGCAGGGTC | GCTCGCTGTT | CGAGGCCACG |
| | 48121 | CGCGTCACCT | TAATATGCGA | AGTGGACCTC | GGGCCGCGCC | GCCCAGACTG | CATCTGCGTG |
| 45 | 48181 | TTCGAATTCT | CCAATGACAA | AACGTTGGGA | GGTGTGTGCG | TCATCTGGA | GCTAAAGACA |
| | 48241 | TGCAAAATCGA | TTTCTTCCGG | GGACACGGCC | AGCAAACGCG | AACAGCGGAC | CACGGGCATG |
| | 48301 | AAGCAGCTGC | GCCACTCCCT | GAAGCTGCTG | CAGTCGCTCG | CGCCTCCGGG | GGACAAGGTC |
| | 48361 | GTCTACCTGT | GTCTATTTT | GGTGTGTTGTC | GCGCAGCGTA | CGCTGCGCGT | CAGCCGCGTG |
| | 48421 | ACCCGGCTCG | TCCCGCAAAA | GATCTCCGGG | AACATCACCG | CGGCCGTGCG | GATGCTCCAA |
| 50 | 48481 | AGCCTGTCCA | CGTATGCCGT | GCCGCCGGAA | CCGCAGACCC | GGCGGTGCGG | GCGCCGGGTC |
| | 48541 | GCCGCGACCG | CCAGACGCA | AAGGCCCCCC | TCCCCGACAC | GTGACCCGGA | AGGCACGGCG |
| | 48601 | GGTCATCCGG | CCCCACCAGA | GAGCGACCCC | CCCTCCCCAG | GGGTCGTAGG | GCTCGCTGCG |
| | 48661 | GAGGGTGGGG | GTGTGCTTCA | GAAAATCGCG | GCGCTTTTTT | GCGTGCCGGT | GGCCGCCAAG |
| | 48721 | AGCAGACCCC | GGACCAAAAC | CGAGTGAGGT | TCTGTGTGTT | GTTTTTTTTT | TTTTTTTTTCC |
| 55 | 48781 | TCGTTTTGTT | TTCTCTTCTT | TCCCCCCCCC | CTCCCCCGCT | TCTGGCCAAG | CATCCTCACC |
| | 48841 | TGCTTAAGCG | GAACCCGCGG | GCGCGCGGGG | ACTCATTTGT | CGCCGGCGAC | ACCCACCCGA |
| | 48901 | CAACAGCCCC | TGGGTGTCGA | CCGCTGTGCG | CCCCGTCTGT | CGCCTCTCCC | TTTTTTTCCCC |
| | 48961 | CCCTCAAAGA | ACGTGGTGTT | GGGCGCCGGC | CAATTCCTTC | CGGAGCGCCG | TCGTCGCCCC |
| | 49021 | CCCGCCGCCC | TCGAACATGG | ACCCGTACTA | CCCTTTCGAC | GCGCTGGACG | TTTGGGAACA |

| | | | | | | | |
|----|-------|-------------|------------|-------------|------------|------------|------------|
| | 49081 | CAGGCGCTTC | ATCGTCGCCG | ACTCCAGGAG | CTTCATCACC | CCCGAGTTCC | CCCGGGACTT |
| | 49141 | CTGGATGTTG | CCCGTGTTCA | ACATCCCCCG | GGAGACGGCG | GCGGAGCGGG | CGGCAGTGCT |
| | 49201 | GCAGGCCCAG | CGCACCGCGG | CCGCGGCGGC | CCTGGAGAAC | GCCGCCCTCC | AGGCCGCCGA |
| 5 | 49261 | GCTGCCCCGTC | GACATCGAGC | GCCGGATACG | CCCGATCGAG | CAGCAGGTGC | ATCACATCGC |
| | 49321 | CGACGCCCTG | GAGGCGCTGG | AGACCGCGGC | GGCCGCGGCC | GAAGAGGCGG | ATGCCGCGCG |
| | 49381 | GGACGCCGAG | GCGAGGGGGG | AGGGCGCTGC | GGACGGGGCA | GCGCCGTCGC | CCACCGCGGG |
| | 49441 | CCCCGCCGCC | GCGGAGATGG | AGGTTTCAGAT | CGTACGCAAC | GACCCGCCGC | TACGATACGA |
| | 49501 | TACCAACCTC | CCCGTGGATC | TGCTACACAT | GGTGTACGCG | GGCCGCGGGG | CCGCGGGTTC |
| | 49561 | GTCGGGAGTC | GTCTTTGGTA | CCTGGTACCG | CACGATCCAG | GAACGCACCA | TCGCGGACTT |
| 10 | 49621 | CCCCCTGACC | ACCCGCAGCG | CCGACTTTTCG | AGACGGGCGC | ATGTCCAAGA | CCTTCATGAC |
| | 49681 | CGCGCTGGTC | CTGTCTCTGC | AGTCGTGCGG | CCGGCTGTAC | GTGGGCCAGC | GCCACTATTC |
| | 49741 | CGCCTTCGAG | TGCGCCGTGC | TGTGTCTGTA | TCTGCTGTAC | CGAACCACCC | ACGAGTCCTC |
| | 49801 | CCCCGATCGC | GATCGCGCTC | CCGTTGCGTT | CGGGGACCTG | CTGGCCCCGC | TGCCGCGCTA |
| | 49861 | CCTGGCGCGT | CTGGCCGCGG | TAATCGGCCA | CGAGAGCGGA | CGCCCGCAGT | ACCGCTACCG |
| 15 | 49921 | CGACGACAAG | CTGCCCCAAG | CGCAGTTCGC | GGCGGCCGCG | GCCCGCTACG | AGCACGGGGC |
| | 49981 | CCTGGCCACC | CACGTCTGTA | TCGCCACGTT | GGTGCGCCAC | GGGGTGCTAC | CGGCGGCCCC |
| | 50041 | GGGCGACGTT | CCCCGAGACA | CCAGCACCCG | CGTGAACCCC | GACGACGTGG | CCCACCGCGA |
| | 50101 | CGACGTCAAC | CGCGCCGCCG | CCGCGTTTTT | GGCACGCGGC | CACAACCTCT | TCCTGTGGGA |
| | 50161 | GGACCAGACG | CTGCTGCGGG | CGACCGCCAA | CACCATTACG | GCCCTGGCCG | TGCTTCGGCG |
| 20 | 50221 | GCTCCTCGCG | AACGGCAACG | TGTACGCGGA | CCGCCTCGAC | AACCGCCTGC | AGCTGGGCAT |
| | 50281 | GCTGATCCCC | GGAGCCGTCC | CGGCGGAGGC | CATCGCTCGG | GGGGCGTCCG | GATTGGACTC |
| | 50341 | GGGCGCCATA | AAAAGCGGCG | ACAACAACCT | GGAGGCGCTG | TGCGTTAACT | ATGTACTTCC |
| | 50401 | GCTGTATCAG | GCAGACCCCA | CGGTCGAGCT | GACCCAGTTG | TTTCCGGGGC | TGGCCGCCCT |
| | 50461 | GTGCTGGAC | GCCCAGGCGG | CGCGGCCACT | GGCGTCGACG | AGGCGCGTGG | TGGATATGTC |
| 25 | 50521 | GTGCGGCGCC | CGCCAGGCGG | CGCTCGTGCG | CCTCACCGCG | CTGGAGCTCA | TCAACCGCAC |
| | 50581 | CCGCACAAAC | ACCACCCCTG | TGGGGGAGAT | TATTAACGCC | CACGATGCCT | TGGGGATACA |
| | 50641 | ATACGAACAG | GGGCCTGGGC | TGCTCGCCCA | GCAGGCACGC | ATCGGCTTGG | CGTCAAACAC |
| | 50701 | CAAGCGATTG | GCCACGTTCA | ACGTGGGCAG | CGACTACGAC | CTGTTGTACT | TTTTGTGTCT |
| | 50761 | CGGGTTTCATT | CCCCAGTACC | TGTCCGTGGC | CTAGGGAAGG | GTGGGGGTGG | TGGTGGTGGG |
| 30 | 50821 | GTGTTTTTCT | GTTGTTGTTT | CTGGTCCGCC | TGGTCACAAA | AGGCACGGCG | CCCCGAAACG |
| | 50881 | CGGGCTTTAG | TCCCGGCCCG | GACGTCGGCG | GACACGCAAC | AACGGCGGGC | CCCGTGGGTG |
| | 50941 | GGTAAGTTGG | TTCGGGGGCA | TCGCTGTATT | CCCTTGCCCG | CTTCCACCCC | CCCCCCCCCT |
| | 51001 | CCCGTTTTGT | TTGTTTTGTG | GGGTGCCCAT | GGCGTCGGCG | GAAATGCGCG | AGCGGTTGGA |
| | 51061 | GGCGCCTCTG | CCCGACCGGG | CGGTGCCCAT | CTACGTGGCC | GGGTTTTTTG | CCCTGTACGA |
| 35 | 51121 | CAGCGGGGAC | CCGGGCGAGC | TGGCCCTGGA | CCCAGACACG | GTGCGTGCGG | CCCTGCCTCC |
| | 51181 | GGAGAACCCC | CTGCCGATCA | ACGTAGACCA | CCGCGCTCGG | TGCGAGGTGG | GCCGGGTGCT |
| | 51241 | CGCCGTGGTC | AACGACCCTC | GGGGGCCGTT | TTTTGTGGGG | CTGATCGCGT | GCGTGCAGCT |
| | 51301 | GGAGCGCGTC | CTCGAGACGG | CCGCCAGCGC | CGCTATTTT | GAGCGCCGCG | GACCCGCGCT |
| | 51361 | CTCCCGGGAG | GAGCGTCTGC | TGTACCTGAT | CACCAACTAC | CTGCCATCGG | TCTCGCTGTC |
| 40 | 51421 | CACAAAACGC | CGGGGGGACG | AGGTTCCGCC | CGACCGCACC | CTGTTTGCGC | ACGTGGCCCT |
| | 51481 | GTGCGCCATC | GGGCGGCGCC | TTGGAACCAT | CGTCACCTAC | GACACCAGCG | TAGACGCGGC |
| | 51541 | CATCGCTCCG | TTTCGCCACC | TGACCCGCGC | GAGCGCGAG | GGGGTGCGAC | GCGAGCGCGC |
| | 51601 | CGAGGCCGAG | CTCGCGCTGG | CCGGGCGCAC | CTGGGCCCCC | GGCGTGAGAG | CGCTCACACA |
| 45 | 51661 | CACGCTGCTC | TCCACCGCCG | TCAACAACAT | GATGCTGCGT | GACCGCTGGA | GCCTTGTGGC |
| | 51721 | CGAGCGGCGG | CGGCAGGCCG | GGATCGCCGG | ACACACGTAC | CTTCAGGCGA | GCGAAAAATT |
| | 51781 | TAAAATATGG | GGGGCGGAGT | CTGCCCCCTG | GCCGGAGCGC | GGGTATAAAA | CCGGCGCCCC |
| | 51841 | GGGTGCCATG | GACACATCCC | CCGCCGCGAG | CGTTCCCGCG | CCGCAGGTGC | CCGTCCGTGC |
| | 51901 | GCGTCAAGTC | GCGTCGTCGT | CTTCTTCTTC | TTCTTTTCCG | GCACCGGCCG | ATATGAACCC |
| | 51961 | CGTTTTCGGA | TCGGGCGCCC | CGGCCCTCTC | GCCGCCCGGC | GACGGGAGTT | ATTTGTGGAT |
| 50 | 52021 | CCCCGCCCTC | CATTACAATC | AGTCTCTCAC | CGGGCAATCC | GCGCCCGCCC | ACCCGCCGCT |
| | 52081 | GACCGCGTGC | GGCCTGCCGG | CCGCGGGGAC | GGTGCCCTAC | GGACACCCCG | GCGCCGGCCC |
| | 52141 | GTCCCCGCAC | TACCCGCCTC | CTCCCGCCCA | CCCGTACCCG | GGTATGCTGT | TCGCGGGCCC |
| | 52201 | CAGTCCCTTG | GAGGCCCAGA | TCGCCGCGCT | GGTGGGGGCC | ATCGCCGCGG | ACCGCCAGGC |
| | 52261 | GGGTGGGCTT | CCGGCGGCCG | CCGGAGACCA | CGGGATCCGG | GGGTGCGCGA | AGCGCCGCCG |
| 55 | 52321 | ACACGAGGTG | GAGCAGCCGG | AGTACGACTG | CGGCCGTGAC | GAGCCGGACC | GGGACTTCCC |
| | 52381 | GTATTACCCG | GGCGAGGCCG | GCCCCGAGCC | GCGCCCGGTC | GACTCCCGGC | GCGCCGCGCG |
| | 52441 | CCAGGCTTCC | GGGCCCCACG | AAACCATCAC | GGCGCTGGTG | GGGGCGGTGA | CGTCCCTGCA |
| | 52501 | GCAGGAACTG | GCGCACATGC | GCGCGCGTAC | CCACGCCCCC | TACGGGCCGT | ATCCGCCGGT |
| | 52561 | GGGGCCCTAC | CACCACCCCC | ACGCAGACAC | GGAGACCCCC | GCCCAACCAC | CCCGCTACCC |

| | | | | | | | |
|----|-------|------------|-------------|-------------|--------------|------------|-------------|
| | 52621 | CGCCAAGGCC | GTCTATCTGC | CGCCGCCGCA | CATCGCCCCC | CCGGGGCCTC | CTCTATCCGG |
| | 52681 | GGCGGTCCCC | CCACCCTCGT | ATCCCCCAGT | TGCGGTTACC | CCCAGTCCCC | CTCCCCCGCT |
| | 52741 | ACATCAGCCC | TCCCCCGCAC | ACGCCCACCC | CCCTCCGCCG | CCGCCGGGAC | CCACGCCTCC |
| 5 | 52801 | CCCCGCCGCG | AGCTTACCCC | AACCCGAGGC | GCCCCGGCGC | GAGGCCGGCG | CCTTAGTTAA |
| | 52861 | CGCCAGCAGC | GCGGCCACG | TGAACGTGGA | CACGGCCCCG | GCCGCCGATC | TGTTTGTGTC |
| | 52921 | ACAGATGATG | GGGTCCCCTG | AACTCGCCTC | CAGGATCCGG | ACTTGGGGGG | GGTGTGTGTT |
| | 52981 | TTCATATATT | TTAAATAAAC | AAACAACCG | ACAAAAGTAT | ACCCACTTCG | TGTGCTTGTG |
| | 53041 | TTTTTGTTTG | AGAGGGGGGG | GTGGAGTGGG | GGGGAAAGTG | GGCCGAATGA | CACAAAAATT |
| 10 | 53101 | AGGTCGGAGG | GGTGAGGGGG | GGGGGCTAGG | AGCCGAACCG | ATGGCCCCCA | CACGCGACGG |
| | 53161 | AAGGCCCGGA | AGACTACCAC | GGGGAGGGGG | TGTGGAAAGC | GACCGGTGCG | AGGGAGACGG |
| | 53221 | GGTTGGTTTG | GGGTGGTTT | GGGGTGGTT | T'TCCCGTTAG | CACATGTCTG | CATTTGTTTT |
| | 53281 | TCTAGTCACA | CGCCCCCCCC | CCCCCAAATA | AAAACCAAG | CAAAACAATA | CCAGAAGTCA |
| | 53341 | TGTGTATTTT | TGAACATCGG | TGTCTTTTTA | T'TTATACACA | AGCCAGCTC | CC'TCCCCCTC |
| 15 | 53401 | CCTTAGAGCT | CGTCTTCGTC | TCCGGCCTCG | T'CCTCGTTGT | GGAGCGGAGA | GTACCTGGCT |
| | 53461 | TTGTTGCGCT | TGCGCAGAAC | CATGTTGGTG | ACCTTGGAGC | TGAGCAGGGC | GCTCGTGCCC |
| | 53521 | TTCTTTCTGG | CCTTGTGTT | CGTGCCTCC | ATGGCCGACA | CCAAAGCCAT | ATATCGGATC |
| | 53581 | ATTTCTCGGG | CCTCGGCCAA | CTTGGCCTCG | T'CAAACCCGC | CCCCCTCCGC | GCCTTCCTCC |
| | 53641 | CCCTCCCCGC | CCACGCCCCC | GGGGTCGGAA | GTCTTGAGTT | CCTTGGTGGT | GAGCGGATAC |
| 20 | 53701 | AGGGCCTTCA | TGGGATTGCG | TTGCAGTTGC | AGGACGTAGC | GGAAGGCGAA | GAAGGCCGCG |
| | 53761 | ACCAGGCCGG | CCAGGACCAG | CAGCCCCACG | G'CAAGCGCCC | CGAAGGGGTT | GGACATAAAG |
| | 53821 | GAGGACACGC | CCGAGACGGC | CGACACCACG | CCCCC'ACTA | CTCCCATGAC | TACCTTGCCG |
| | 53881 | ACCGCGCGCC | CCAAGTCCCC | CATCCCC'TCG | AAGAACGCGC | ACAGCCCCGC | GAACATGGCG |
| | 53941 | GCGTTGGCGT | CGGCGCGGAT | GACCGTGTG | ATGTCCGGCA | AGCGCAGGTC | GTGCAGCTGG |
| 25 | 54001 | TTGCGGCGCT | GGACCTCCGT | GTAGTCCAGC | AGGCCGCTGT | CCTTGATCTC | GTGGCGCGTG |
| | 54061 | TAGACCTCCA | GGGGCACAAA | CTCGTGCTCC | T'CCAGCATGG | TGATGTTTCA | GTCGATGAAG |
| | 54121 | GTGCTGACGG | TGGTGACGTC | GGCGCGACTC | AGCTGGTGAG | AGTACGCGTA | TCCTCGAAG |
| | 54181 | TACACGTAGC | CCCCGCCGAA | GATGAAGTAG | CGCCGCTGGC | CCACGGTGCA | CGGCTCGAGC |
| | 54241 | GCGTCGCGGG | TGAGGCGCAG | CTCGTTGTT | T'CGCCCAGCT | GCCCCCTGAT | CAGCGGGCCC |
| 30 | 54301 | TGGTCTTCGT | ACCGAAAGCT | GACCAGGGGG | CGGCTGTAGC | ACGTCCCCGG | CCGCGAGCTG |
| | 54361 | ACGCGCATCG | AGTTCTGCAC | GATCACGTTG | T'CCGGGGCGA | CGGGCACGCA | CGTGGAGACG |
| | 54421 | GCCATGACGT | CTCCGAGCAT | GCGCGCGCTC | A'CCCGCCGGC | CGACGGTGCC | GGAGGCGATG |
| | 54481 | GCGTTGGGGT | TGAGCTTGCG | GGCCTCGTTC | CAGAGAGTCA | GCTCGTGGTT | CTGCAGCTCG |
| | 54541 | CACCACGCGA | CGGCGATGCG | CCCCAGCATG | T'CATTCACGT | GGCGCTGTAT | GTGGTTATAC |
| 35 | 54601 | GTAACCTGCA | GCCGGGCGAA | CTCGATCGAG | GAGGTGGTCT | TGATGCGCTC | CACGGACGCG |
| | 54661 | TTGGCGCTGG | GCGCCTCCCC | CAGTGGCGCG | GCGGTGGCAT | TCCGGGGCTT | GCGGTCTGTC |
| | 54721 | TCCCGCATGT | ACTCCCGCAC | GTACAGCTCG | G'CGAGCGTGT | TGCTGAGGAG | GGGCTGGTAC |
| | 54781 | GCGATGAGGA | AGCCCCCGGT | GGCCAGGTAG | T'ACTGCGGCT | GGCCACCTT | GATGTGCGTG |
| | 54841 | GCGTTGTACT | TGCGCGCAAA | CATGCGGTG | ATGGCCTCGC | GGGCATCCCG | GCCGATGCAG |
| 40 | 54901 | TCGCCCAGGT | CGACGCGCGA | GAGCGAGTAC | T'CGGTCAGGT | TGGTGGTGAA | GGTGGTCGAG |
| | 54961 | ATGGCGTCGG | AGGAGAAAGC | GAAGGAGCCG | C'CGTACTCGG | CGCGGAGCAT | CTCGTCCACC |
| | 55021 | TCCTGCCACT | TGGTCATGGT | GCAGACCGCC | GGT'CGCTTCG | GCACCCAGTC | CCAGGCCACG |
| | 55081 | GTAACCTTGG | GGGTCGTCAG | CAAGTTGCGG | GTCGTCGGCG | ACGTGGCCCG | GGCCTTCGTG |
| 45 | 55141 | GTGAGGTCGC | GCGCGTAGAA | GCCGTCGACC | T'GCTTGAAGC | GGTCGGCGCG | GTAGCTGGTG |
| | 55201 | TGCTCGGTGT | GCGACCCCTC | CCGCTAGCCG | T'AAAACGGGG | ACATGTACAC | AAAGTCGCCC |
| | 55261 | GTCGCCAGCA | CAAAC'TCATC | GTACGGGTAC | A'CCGACCGCG | CGTCCACCTC | CTCGACGATG |
| | 55321 | CAGTTGACCG | TCGTGCCGTA | CCGATGGAAC | G'CCTCCACCC | GCGAGGGGTT | GTA'CTTGAGG |
| | 55381 | TCGGTGGTGT | GCCACCCCGG | GCTCGTGCGC | G'TGGCGACCT | TCGCCGGCTT | GAGCTCCATG |
| | 55441 | TCGGTCTCGT | GGTCGTCCCC | GTGAAACGCG | G'TGGTCTCCA | TGTTGTTCCG | CACGTACTTG |
| 50 | 55501 | GCCGTGGAGC | GGCAGACCCC | CTTGGTGTTA | A'TCTTGTCTGA | TCACCTCCTC | GAAGGGAACG |
| | 55561 | GGGGCGCGGT | CCTCGAATAT | CCCCATAAAC | T'GGGAGTAGC | GGTGGCCGAA | CCACACCTGC |
| | 55621 | GACACGGTCA | CGTCTTTGTA | GTACATGGTG | G'CC'TGAATT | TGTACGGGGC | GATGTTCTCC |
| | 55681 | TTGAAGACCA | CCGCGATGCC | CTCCGTGTAG | T'TCTGCCCTT | CCGGGCGCGT | CGGGGAGCGG |
| | 55741 | CGCGGCTGCT | CAAAC'TGCAC | CACCGTGGCG | C'CCGTCGGGG | GCGGGCACAC | GTA'AAACTGG |
| 55 | 55801 | GCATCGGCGT | TCTCGACCTT | GATT'TCCCGC | AGGTGCGCGC | GCAGCGTGGC | GTGGCCGGCG |
| | 55861 | GCGACGGTCG | CGTTGGCGTC | GGGGGGCGGG | G'TCGCCTCGG | GCCGCTTGGG | CGGCTTTTTG |
| | 55921 | GTTTTCCGCT | TCCGGGCCTT | GGTGGTCGCG | GGGCTCGGGA | CGGGGGGCGG | CCGGGAGGCG |
| | 55981 | GGACCCCGCT | TCGCCGCGAC | GGTCGCGGCC | A'CGCCGCCCG | AGGCGCGGGG | GGCCGCCGGG |
| | 56041 | GCCGCCGGGG | CCGCCGACGC | CACCGCGGCC | A'CCAGCGCCC | CCACGACCAG | CGCGCAAATC |
| | 56101 | AAGCCCCCCC | CGCGCATGGC | GGGCTTACGG | G'GGCGCGTGC | CTCCCGCCGC | CCGCTAGTCT |

| | | | | | | | |
|----|-------|------------|-------------|-------------|-------------|------------|------------|
| | 56161 | GGGGGCGAGG | TGCTGCAGGA | CCGAGTAGAG | GATGGAAAAA | ACGTCTCGGT | CGTAAACCAC |
| | 56221 | GACCGAGCGG | GGTCCGATGC | AGCCGTTCGGG | GCCGCTCTCG | ACGATGGCCA | CCAGCGGACA |
| | 56281 | GTCGGAGTTG | TACGTGAGGT | ACACGCCCGG | CGGGTAGCGG | TACAGACCTT | CGGAGGTCGG |
| 5 | 56341 | GCGGCTGCAG | TCGGGGCGGC | GCAACTCAAG | CTCCCCGCAC | CGGTAGACCG | ACGCAAAGAG |
| | 56401 | TGTGGTGGCG | ATAATGAGCT | CGCGAATATA | TCGCCAGGCG | GCGCGCTGGG | TGGGCGTGAT |
| | 56461 | TCCGGAACA | CCGTCAAAAC | AGTAGAAGTT | TTGAAACTCG | CTGACGGCCC | AATCAGCGCC |
| | 56521 | CGAACCCCC | GCGCCCATGA | TGAAGCGGGC | GAGTTCCTCC | TTGAGGTGCG | GCAGGAGCCC |
| | 56581 | CACGTTCTCG | ACGCTGTAGT | ACAGCGCGGT | GTTGGGGGGC | TGGGCGAAGC | TGTGGGTGGA |
| | 56641 | GTGGTCAAC | AGGGGCCCCG | TGACGAGCTC | GAAGAAGCGA | TGGGTGATGC | TGGGGAGCAG |
| 10 | 56701 | GGCCGGGTCC | ACCTGGTGGC | GCAGCAGCGA | CGCTCGCATG | AACCGGTGCG | CGTCAAACAC |
| | 56761 | GCCCGGGGCG | GCGCGGTTGT | CGATGACCGT | GCCCCGCGCC | GCCGTCAGGG | CGCAGAAGCG |
| | 56821 | CGCGCGCGCC | GCGAAGCCGT | TGGCGACCGC | GGCGAAGGTC | GCGGGCAGCA | CCTCGCCGTG |
| | 56881 | GACGCTGACC | CGCAGCATCT | TCTCGAGCTC | CCCCGCGTGC | TCGCGCACGC | AGCGCCCGAG |
| | 56941 | GCTGGCCAGC | GACCGCTTGG | TCAGGCGGTC | CGCGTACAGC | CGCCGGCGCT | CCCGCACGTC |
| 15 | 57001 | GCGGGCGGCC | CGCGTCGCGA | TGTCGCCCCA | GCTCTCCGGC | CCCTGCGCCC | CTGGCTCGGG |
| | 57061 | GCCGCGCTCC | CCGTCTCTCG | TCGCGGGCGT | CCCCGCGCCA | CGCCTCCGCC | CCCCCTCCTC |
| | 57121 | CGCGGCGGCC | CGGGGCTCTT | CCTCCTCGGC | CCCCCCGGTC | GCGCCGCGCG | CCCCCAGCCG |
| | 57181 | CGCCAGCACG | CGGCGCAGCG | CCTCCTCGTC | GCACTGCTCG | GGGCTGACGA | GCCGCCGCAG |
| | 57241 | CAGCGGCGTC | GTCAGGTGGT | GGTCGTAGCA | CGCGCGTATC | AGCGCCTCGA | TCTGATCGTC |
| 20 | 57301 | GGGCGACGTC | GCCTGGCCGC | CGATGATCAG | GGCGTCCACC | ATGTCCAGCG | CCGCCAGGTG |
| | 57361 | GCCCCCGAAC | GCGCGATCGA | AGTGCTCCGC | CCGCCGCCCG | AACAGCGCCA | GCTCCACGGC |
| | 57421 | CACCGCGGCG | GTCTCCTGCT | GCAGCTCGCG | CTGCGCCAGC | GCGTTCAGGT | TGTCGGCGAA |
| | 57481 | GGCGTCCATG | GTGGAGTGGC | GGGCGCGATC | GCCGGACGCC | AGCCAGAAGC | GCAGCTCGCT |
| | 57541 | GATGGCGTAC | AGGCCGGGCG | TAGTGCCCTG | AAACACGTCA | TGCGCCTCCA | GCAGGGCGTC |
| 25 | 57601 | GGCCTCCTCG | CGGACAGAAG | AGCTATCGGC | CGCGGCGGGG | CCGGCCCTGG | CCCCGCCGCC |
| | 57661 | CGCCGCGGTC | CGCGCCAGCG | CCTGGTCCAG | CACACAGAGC | GCTCGCGCGC | GGGCGGCGTC |
| | 57721 | CGACAGCCCG | GCGGCGTGGG | GCAGGTACCG | TCGCAGCTCG | TTGGCGTCCA | GCCGCACCTG |
| | 57781 | GGCCTGTTGG | GTGACGTGGT | TACAGATGCG | GTCCGCCAGG | CGGCGGGCGA | TGGTCGCCCC |
| | 57841 | TTGGTTCGCG | GTGACGCACA | GCTCCTCGAA | ACAGACCGCG | CACGGGTGGG | ACGGGTCGCT |
| 30 | 57901 | CAGCTCCGGG | GGCAGCATGA | GGCCCGACCC | CACCGCCGCC | ACCATAAACT | CCCGGACGCG |
| | 57961 | CTCCAGCGCG | GCCGTGGCGC | CGCTCGGGGG | GGTGATGAGG | TGGCAGTAGT | TCAGCTGCTT |
| | 58021 | GAGAAAATTC | TCGACATCAT | GCAGGAAGCA | GAGCTCCATG | CGGACGTCCC | CGCCGTACGT |
| | 58081 | TTGCAGCCGG | ATCTGCTGGT | GGTACGGACA | GGTTCGGGCC | AGACCATGG | TCTCGGTGAA |
| | 58141 | AAAGGCAGAG | ACGTACCCCG | TGGTCGCGAA | CGTTTCCAGG | TGGCCAGGGA | GCCGCTCCCC |
| 35 | 58201 | CTCGCGCCAC | GCGTACTCCA | GGAGCAACTC | CAGGGTGACC | GACAGCGGGG | TGAGAAAGGC |
| | 58261 | GGCGGCCTGA | GCCTCCAGCC | CCGGCCGCAG | GTGCCGCCGC | AGCACGCGCA | CCTGGAGCGC |
| | 58321 | GTTGAGTTTT | AGCTGGGCGA | GCTTCCCCAG | GCCGATCTGG | GGGTCGCATC | GTGGAAGCAG |
| | 58381 | CTCTAGCTGA | AAAACGTACG | TCTGTACCTG | CCCGAGCAGG | GCCAACAGTT | TCTGTGCGGC |
| | 58441 | CGCAGTGGGC | TCGGAACCG | CGGCCGGGGG | CGCGGCCGCC | ATGGCGAGTC | ACCCGGCCGT |
| 40 | 58501 | GCTGTGGTTT | AGTTAAGGTT | TGGGGGGGGG | TGGGTGAGAG | GCGCGCCCCG | CGCGGACTGA |
| | 58561 | TGCGGCGGCG | GGCCCCCTGAC | ATCCCCCTCT | TATGCCCCGTC | GCCCGCCCGC | CCGCCCCGCC |
| | 58621 | GGTGTGCCGT | GATTGCGGGA | GTCGGGGCCT | TGTGTTTCTT | TCTTTCCCCC | CCGAATCCGT |
| | 58681 | TCTTTCTTCC | TCACCCCCCC | CTCCCCACAC | ACCCACCCAG | GACTCGCCAC | CACAAGGAGG |
| | 58741 | CGAGAGCCCG | TCGCTAACCC | AAAGACACAG | TCACGAGACA | CGATATCGAC | TGTAGTTGCG |
| 45 | 58801 | ATCGTTTATT | TTATACACAA | CACCAACCTT | TCCTTCGACC | CCCCCACCC | CCGCCCCTAG |
| | 58861 | AGCATATCCA | ACGTGAGGTC | CTTTTCTCTC | GGTGGTCCCT | CCCCAAACGG | ATCGTCGCCG |
| | 58921 | TGAAACGCCC | GCTTTTCGGG | GACGCCGGCC | GCCCCCGCCG | CCGCCGCCAA | ACCGCCGAAC |
| | 58981 | GACGCCGCGT | GGTCATCCTC | GTCGCCGAAA | TCCCCAAAGT | TAAACACCTC | CCCGGCGGCG |
| | 59041 | CCGAGCTGGC | TGACCAGGGC | CTCCGCCTCG | TGGGCCACCT | CCAGGGCCGC | GTCGGTCGAC |
| 50 | 59101 | CACTCGCCAT | GCCCCGCGTC | CAGGGCGCGG | GTGGTAAACT | CCATCATTTT | CTCGCTCAGG |
| | 59161 | TACTCGTCC | CCAGCAGCGC | CAGCCAGTCC | TCGATCTGCA | GCTGCTGGGT | GCGGGGGCCC |
| | 59221 | AGGCTCTTGA | CGGTCGCCAC | AAACACGCTG | CTGGCGACCG | CCGCCCCGCC | CTCCGCAATG |
| | 59281 | ATGCCCCGGA | GCTGCTCGCA | CAGCGAATGC | TCGTGGGCCC | CGCCCCGAG | ACTCGACGCC |
| | 59341 | GCGCACACAA | ACCCGGCCCT | GGGGCAGGCC | AGGACAAACT | TGCGGGTGCG | GTCAAAGATC |
| 55 | 59401 | AGCAGCGGGC | ACGCGTTTTT | GCCGCCCAGC | AGGCTGGCCC | AGTTCCCGGC | CTGAAACACG |
| | 59461 | CGGTCGTTGC | CGGCCATGCC | GTAGTATTTG | CTGATGCTGA | GGCCAGCAC | GACCATCGGG |
| | 59521 | CGCGCGGCCA | TCACGGGCCG | CAGCAGGTTG | CAGCTCGCGA | ACATGGACGT | CCAGGCGCCG |
| | 59581 | GGGTGCGCGT | CGAGGGAGTC | CATCAGCGCG | CGGGCCCCCG | CCTCCAGGCC | CGCGCCGCC |
| | 59641 | TGCGGGGCC | AGGCGGCCCG | CGCCTGCACG | CTGGGGGGAC | GCGGGGACCC | GGCGATGACG |

| | | | | | | | |
|----|-------|-------------|------------|------------|-------------|-------------|------------|
| | 59701 | GCCGTGAGGG | TGTTTATGAA | GTACGTCGAG | TGGTCGCAGT | ACCTCAAGAT | CTGGTTGGCC |
| | 59761 | ATGTAGTACA | TGGCCAGTTC | GCTCACGTTA | TTGGGGGGCCA | GGTTGATAAA | GTTAATCGCG |
| | 59821 | CCGTAGTCCA | GGGAGAACCT | CTTAATGAAC | GCGATGGTCT | CTATGTCCTC | GCGCGACAAG |
| | 59881 | AGCCGGGCGG | GGAGCTGGTT | GCGCTGGAGG | GCGGTCCAGA | ACCACTGCGG | GTTCGGCTGG |
| 5 | 59941 | TTCGACCCCG | GGGGCTTGCC | GTTGGGAAAG | ATGACCGCGT | GGAAGTGCCT | CAGCAGGAAG |
| | 60001 | CCCAGCGGTC | CGAGGAGGAT | GTCCACGCGC | TTGTCGGGCT | TCTGGTAGGC | GCTCTGGAGG |
| | 60061 | CTGGCGACCC | GCGCCTTGGC | GGCCTCGGAC | GCGTTGGCGC | TGCGCGCCGC | GAACAACACG |
| | 60121 | CGGCTCTTGA | CGCGCAGTTC | CTTGGGAAAC | CCAAGGGTCA | CGCGGGCAAC | GTGCCCCTCG |
| | 60181 | AAGCTGCTCT | CGGCGGGGGC | CGTCTGGCCG | GCCGTTAGGC | TGGGGGCGCA | GATAGCCGCC |
| 10 | 60241 | CCCTCCGAGA | GCGCGACCGT | CAGCGTCTTC | GCCGACAGGA | ACCCGTTGTT | GAACAGGTCC |
| | 60301 | ATGACGCGCC | GCCGCAGCAC | CGGTTGGAAT | TGATTGCGAA | AGTTGCGCCC | CTCGACCGAC |
| | 60361 | TGCCCCGGCGA | ACACCCCGTG | GCACTGGCTC | AGGGCCAGGT | CCTGGTACAC | GGCGAGGTTG |
| | 60421 | GACCGCCCGG | CGAGGAGCTG | CAGCAGGGGG | CACGGCCCGC | AGGTGTACGG | GTCCAGCGAC |
| | 60481 | AGCGACATGG | CGTGGTTGGC | CTCGGCCAGA | CCGTCGCGGA | ACTTAAAGTT | GCGCCCCCTG |
| 15 | 60541 | ATCAGGTTGC | GCATCAGCTG | TTCCACCTCG | CGATCCACCA | GCTGCTTGAT | GTTGTTTACC |
| | 60601 | ACCGTGTGCA | GGGCCCTCGC | GTTGCCGATA | ATCGTCTCCA | GCCTCCCCAG | GGCCGTGGGC |
| | 60661 | ACCGCCTGGT | CCACGTACTG | CAGGGCCTCG | AGCTCGGCCA | TGACGCGCTC | GGTGGCCCGC |
| | 60721 | CGGTACGTCT | CCTGCATGAT | GGTCCGGGTG | TTCTCGGACC | CGTCCGCGCG | CTTCAGGGCC |
| | 60781 | GAGAAGGCGG | CGTAGTTCCC | CAGCACGTCT | CAGTCGCTGT | ACGCGCTGTT | CATCGTTCCG |
| 20 | 60841 | AAGACCCCAA | TGGCCCCCGG | GGCGGCGCTC | GCGAACTTGG | GGTGCGGGGC | CCGCAGCCGC |
| | 60901 | ATCAGCGTCG | TGTGCGCGCA | GGCGTGGCGG | GTCTCGAAGG | TACACAGGTT | GCAGGGCACG |
| | 60961 | TCGGTCTGGC | CCGAGTCCGC | GACGTAGCGA | AACACGTCCA | TCTCCTGGCG | CCCGACGATG |
| | 61021 | ACTCCGCCGT | CGCAGCGCTC | CAGGTAAAAC | AGCATCTTGG | CCAGCAGGGC | CGGAGAGAAC |
| | 61081 | CCGCACAGCA | TGGCCAGGTG | CTCGCCGGCG | AACTCCTGGG | TTCCGCCGAC | GAGGGGCCCG |
| 25 | 61141 | GTGGGGCGCC | CCTCGTACCC | GGGCACCGC | TGGCCCTCGC | GGTCCAGCTG | CGGGTTGGCC |
| | 61201 | GCCACGTGCG | TGCCGGGCAC | GAGAAAAGAA | CGGTAAAAGG | AGGGCTTGCT | GTGGTCTCTG |
| | 61261 | GGGTCCGCCG | GCCCGGCGTC | GTCCACCTCG | GTCAGGTGGA | GGGCCGAATT | GGTGCTGAAC |
| | 61321 | ACCATGGCGC | CCACGAGGCC | CGCGGCGCGC | GCCAGGTACG | CCCCGACGGC | GCCGGCGCGG |
| | 61381 | GCCGCGGGCG | TTTCTCTGGC | CTCAAGCAGG | GGCCACGTGG | TGATGTCGGG | GGGCGGCTCG |
| 30 | 61441 | TCAAAGACCG | CCATCGACAC | GATGGACTCC | AGGGCCAGGG | CGGCGTCGCC | CGCCATCACC |
| | 61501 | GAGGCCAGGC | GCTGCTCAAA | CCCGCCCGCC | GGGCCCTTGT | TCCCGGCGTC | GCGCGCGCCC |
| | 61561 | CGCTGGGGCT | TACCCTGGCT | GGCCTCGAAG | GCCGTGAACG | TAATGTCGGC | GGGGAGGGCC |
| | 61621 | CGCCCCCTGT | GGTTTTCTGT | GAACGCCGAG | TGGGCGGGCC | CGCGGGCCAC | GGCGTCCACG |
| | 61681 | TTCCGGGCAC | GCAGGGCCAC | GCCGGCCGGC | CCGACGACCG | CCTCGAACAG | CAGGCGGGCG |
| 35 | 61741 | AGGGGGCGGT | TGAAAAACGG | AAGGGGGTAG | TTGAAATTCT | CCCCGATCGA | TCGGTGGTTG |
| | 61801 | CAGTTAAACG | GATCGGCGAT | GACCCGGCTA | AAATCCGGCA | TAAACATCTG | CAGCGGATAC |
| | 61861 | ACGGGGATGC | GGTGAACCTC | CGCGTCCCCG | ATGGTTACCT | TGTCCATCCC | GCCCAGATGC |
| | 61921 | AGGAAGGTGT | TGCTGATGCA | CACGGCCTCC | CGGAAGCCCT | CCGTGATCAC | CAGATACAGC |
| | 61981 | AAGGCCCGGT | CCGGGTCCAG | TCCGAGCCGC | TCGCACAGCG | CGTCCCCCGT | CGTCTCGTGC |
| 40 | 62041 | TTTAGGTGCG | AGGGCCGGGG | CGCGTAGTCC | GCGAAGCCAA | AATGCGGGCG | CGCCCGCTCG |
| | 62101 | CAGAGCCCGG | TCAGGTTGGG | GGCCTGGGTG | CTGGGGGGCA | GGTGCGGGCC | GCCGTGAAAG |
| | 62161 | ACGTAAACGG | ACGGGCTGTA | GTGCGAGGGC | ATAAGCTTGA | GGGACACCGC | GGTCCCCCCA |
| | 62221 | AGGCGCGTCT | TGCGGGACCC | GACGACCGCG | GCCACGTTGG | CCTCAAACCC | GCTCTCCACG |
| | 62281 | GTCAGGCCGA | CGATGAGGGG | CGCGACGGCG | ACGTCCGCGT | CGCCGCTGCG | CGCCGACAGT |
| 45 | 62341 | AGCGACAGCA | GCTCCAGGCC | TTCGGCCGGA | CAGGCGCGGC | CATACACGTA | CCCCATCGGC |
| | 62401 | CCCGGAGGAA | CCTTGACGGT | GGTCTGCTGT | TTGGGCTTGG | TGTCCATGGC | TTTCGGGAGA |
| | 62461 | TCGGCGACCG | GCAGGAACGG | GGGCCCCGCA | AGACGACCGG | GGGCAGACGG | GGGAGGCCGC |
| | 62521 | GCGTGGTCTG | CGGCTGCTGC | CCGCCGTCTG | CTCTCCGATG | GGGTCTGAAT | CCGGCGCTGG |
| | 62581 | GGGTGGGGTC | TACACCCGCC | CGTTCGCCCC | GCGGCCCCCT | GTGGGGGTGG | GATGGGTGGG |
| 50 | 62641 | ATGGGGTGGG | CGAGAATGGC | CCGCCACCGG | ATCGCGCCGG | ACGGGGGGGG | CCGGGGTTGG |
| | 62701 | GCAAGGTTTG | GGCGCAAGGC | TCCAGCGGCG | ATTGAGAGAG | CCTGCGGATG | GCGGGCCAGA |
| | 62761 | GCTGGGTATG | CTCGGCCGGG | GCGGCCGGTA | TATGTACGGC | GTGCTGGGAG | GGGCGGCGTC |
| | 62821 | GGGCCCCGCC | CACGGTCCGC | CACGCCCCGC | GCGTCATCGG | CAGGGGGCGT | GGCCGCCCTT |
| | 62881 | CTAAAAAAG | TGAGAACCGG | AAGCGTTCGC | ACTTTGTCTT | AATAATATAT | ATACTATTAG |
| 55 | 62941 | GACAAAGTGC | GAACGCTTCG | CGTTCCTACT | TTTTTTTAGAA | GGGCGGCCAC | GCCCCCTTTG |
| | 63001 | ACGTACAGCT | CACCCGGGCG | GCCGGCCGCC | CATAAGCGCG | GCCTGCCGGG | CCGATAAAAA |
| | 63061 | GAAACCGCGG | CGCCCCCGCG | GACACCACAC | ACTGGCTCTC | GAACCCCGGA | CGCGCAGAAG |
| | 63121 | GGACCCGGGC | GCGGGTCCGC | CGGTAAGAGC | CGGGGGGAAC | ATCGGCACCG | CCATCCCACC |
| | 63181 | CCGAGCTGTT | GGGTGGGCGG | GTGGGGGGGC | TGGTGAGGCG | GTTGGTGGGAG | GGGGCGGCGT |

| | | | | | | | |
|----|-------|------------|------------|-------------|------------|-------------|-------------|
| | 63241 | ATAGCAGGAC | AACGACCGGC | GGCGATGTTT | TGTGCCGCGG | GCGGCCCGGC | TTCCCCGGG |
| | 63301 | GGGAAGCCGG | CGGCTCGGGC | GGCGTCTGGG | TTTTTTGCCC | CCCACAACCC | CCGGGGAGCC |
| | 63361 | ACCCAGACGG | CACCGCCGCC | TTGCCGCCGG | CAGAACTTCT | ACAACCCCCA | CCTCGCTCAG |
| 5 | 63421 | ACCGGAACGC | AGCCAAAGGC | CCTCGGGCCG | GCTCAGCGCC | ATACGTACTA | CAGCGAGTGC |
| | 63481 | GACGAATTTT | GATTTATCGC | CCCGCGTTCC | CTGGACGAGG | ACGCCCCCGC | GGAGCAGCGC |
| | 63541 | ACCGGGGTCC | ACGACGGCCG | CCTCCGGCGC | GCCCCAAGG | TGTACTGCGG | GGGGGACGAG |
| | 63601 | CGCGACGTCC | TCCGCGTGGG | CCCGGAGGGC | TTCTGGCCGC | GTCGCTTGCG | CCTGTGGGGC |
| | 63661 | GGTGCGGACC | ATGCCCCCGA | GGGGTTTCGAC | CCCACCGTCA | CCGTCTTCCA | CGTGTACGAC |
| | 63721 | ATCCTGGAGC | ACGTGGAACA | CGCGTACAGC | ATGCGCGCCG | CCCAGCTCCA | CGAGCGATTT |
| 10 | 63781 | ATGGACGCCA | TCACGCCCGC | CGGGACCGTC | ATCACGCTTC | TGGGTCTGAC | CCCCGAAGGC |
| | 63841 | CATCGCGTCG | CCGTTCACGT | CTACGGCACG | CGGCAGTACT | TTTACATGAA | CAAGGCGGAG |
| | 63901 | GTGGATCGGC | ACCTGCAGTG | CCGTGCCCCG | CGCGATCTCT | GCGAGCGCCT | GGCGGCGGCC |
| | 63961 | CTGCGCGAGT | CGCCGGGGGC | GTCGTTCCGC | GGCATCTCCG | CGGACCACTT | CGAGGCGGAG |
| | 64021 | GTGGTGGAGC | GCGCCGACGT | GTACTATTAC | GAAACGCGCC | CGACCCGTGA | CTACCGCGTC |
| 15 | 64081 | TTCGTGCGAA | GCGGGCGCGC | GCTGGCCTAC | CTGTGCGACA | ACTTTTGCCC | CGCGATCAGG |
| | 64141 | AAGTACGAGG | GGGGCGTCGA | CGCCACCACC | CGGTTTATCC | TGGACAACCC | GGGGTTTGTG |
| | 64201 | ACCTTCGGCT | GGTACCGCCT | CAAGCCCGGC | CGCGGGAACG | CGCGGCCCCA | ACCGCGCCCC |
| | 64261 | CCGACGGCGT | TCGGAACCTC | GAGCGACGTC | GAGTTTAACT | GCACGGCGGA | CAACCTGGCC |
| | 64321 | GTCGAGGGGG | CCATGTGTGA | CCTGCCGGCC | TACAAGCTCA | TGTGCTTCGA | TATCGAATGC |
| 20 | 64381 | AAGGCCGGGG | GGGAGGACGA | GCTGGCCTTT | CCGGTCGCGG | AACGCCCGGA | AGACCTCGTC |
| | 64441 | ATCCAGATCT | CCTGTCTGCT | CTACGACCTG | TCCACCACCG | CCCTCGAGCA | CATCCTCCTG |
| | 64501 | TTTTCGCTCG | GATCCTGCGA | CCTCCCCGAG | TCCCACCTCA | GCGATCTCGC | CTCCAGGGGC |
| | 64561 | CTGCCGGCCC | CCGTGCTCCT | GGAGTTTGAC | AGCGAATTCG | AGATGCTGCT | GGCCTTCATG |
| | 64621 | ACCTTCGTCA | AGCAGTACGG | CCCCGAGTTC | GTGACCGGGT | ACAACATCAT | CAACTTCGAC |
| 25 | 64681 | TGGCCCTTCG | TCCTGACCAA | GCTGACGGAG | ATCTACAAGG | TCCCGCTCGA | CGGTACGGG |
| | 64741 | CGCATGAACG | GCCGGGGTGT | GTTCCGCGTG | TGGGACATCG | GCCAGAGCCA | CTTTCAGAAAG |
| | 64801 | CGCAGCAAGA | TCAAGGTGAA | CGGGATGGTG | AACATCGACA | TGTACGGCAT | CATCACCGAC |
| | 64861 | AAGGTCAAAC | TCTCCAGCTA | CAAGCTGAAC | GCCGTCGCCG | AGGCCGTCTT | GAAGGACAAG |
| | 64921 | AAGAAGGATC | TGAGCTACCG | CGACATCCCC | GCCTACTACG | CCTCCGGGCC | CGCGCAGCGC |
| 30 | 64981 | GGGGTGATCG | GCGAGTATTG | TGTGCAGGAC | TCGCTGCTGG | TCGGGCAGCT | GTTCTTCAAG |
| | 65041 | TTTCTGCCGC | ACCTGGAGCT | TTCCGCCGTC | GCGCGCCTGG | CGGGCATCAA | CATCACCCGC |
| | 65101 | ACCATCTACG | ACGGCCAGCA | GATCCGCGTC | TTACAGTGCC | TCCTGCGCCT | TGCGGGCCAG |
| | 65161 | AAGGGCTTCA | TCCTGCCGGA | CACCCAGGGG | CGGTTTCGGG | GCCTCGACAA | GGAGGCGCCC |
| 35 | 65221 | AAGCGCCCGG | CCGTGCCTCG | GGGGGAAGGG | GAGCGGCCGG | GGGACGGGAA | CGGGGACGAG |
| | 65281 | GATAAGGACG | ACGACGAGGA | CGGGGACGAG | GACGGGGACG | AGCGCGAGGA | GGTCGCGCGC |
| | 65341 | GAGACCGGGG | GCCGGCACGT | TGGGTACCAG | GGGGCCCGGG | TCCTCGACCC | CACCTCCGGG |
| | 65401 | TTTCACGTCG | ACCCCGTGGT | GGTGTTTGAC | TTTGCCAGCC | TGTACCCAG | CATCATCCAG |
| | 65461 | GCCCACAACC | TGTGCTTCAG | TACGCTCTCC | CTGCGGCCCG | AGGCCGTGCG | GCACCTGGAG |
| | 65521 | GCGGACCGGG | ACTACCTGGA | GATCGAGGTG | GGGGGCCGAC | GGCTGTTCTT | CGTGAAGGCC |
| 40 | 65581 | CACGTACGCG | AGAGCCTGCT | GAGCATCCTG | CTGCGCGACT | GGCTGGCCAT | GCGAAAGCAG |
| | 65641 | ATCCGCTCGC | GGATCCCCCA | GAGCACCCCC | GAGGAGGCCG | TCCTCCTCGA | CAAGCAACAG |
| | 65701 | GCCGCCATCA | AGGTGGTGTG | CAACTCGGTG | TACGGGTTCG | CCGGGGTGCA | GCACGGTCTT |
| | 65761 | CTGCCCTGCG | TGCACGTGGC | CGCCACCGTG | ACGACCATCG | GCCCGGAGAT | GCTCCTCGCG |
| 45 | 65821 | ACGCGCGCGT | ACGTGCACGC | GCGCTGGGCG | GAGTTCGATC | AGCTGCTGGC | CGACTTTCCG |
| | 65881 | GAGGCGGCCG | GCATGCGCGC | CCCCGGTCCG | TACTCCATGC | GCAATCATCTA | CGGGGACACG |
| | 65941 | GACTCCATTT | TCGTTTTGTG | CCGCGGCCTC | ACGGCCGCGG | GCCTGGTGGC | CATGGGCGAC |
| | 66001 | AAGATGGCGA | GCCACATCTC | GCGCGCGCTG | TTCTTCCCCC | CGATCAAGCT | CGAGTGCGAA |
| | 66061 | AAAACGTTCA | CCAAGCTGCT | GCTCATCGCC | AAGAAAAAGT | ACATCGGCGT | CATCTGCGGG |
| | 66121 | GGCAAGATGC | TCATCAAGGG | CGTGGATCTG | GTGCGCAAAA | ACAAC TGCGC | GTTTATCAAC |
| 50 | 66181 | CGCACCTCCA | GGGCCCTGGT | CGACCTGCTG | TTTTACGACG | ATACCGTATC | CGGAGCGGCC |
| | 66241 | GCCGCGTTAG | CCGAGCGCCC | CCGAGAGGAG | TGGCTGGCGC | GACCCCTGCC | CGAGGGACTG |
| | 66301 | CAGGCGTTTC | GGGCGGTCC | CGTAGACGCC | CATCGGCGCA | TCAACGACCC | GGAGAGGGAC |
| | 66361 | ATCCAGGACT | TTGTCCTCAC | CGCCGAAC TG | AGCAGACACC | CGCGCGCGTA | CACCAACAAG |
| | 66421 | CGCCTGGCCC | ACCTGACGGT | GTATTACAAG | CTCATGGCCC | GCCGCGCGCA | GGTCCCGTCC |
| 55 | 66481 | ATCAAGGACC | GGATCCCCGT | CGTGATCGTG | GCCCAGACCC | GCGAGGTAGA | GGAGACGGTC |
| | 66541 | GCGCGGCTGG | CCGCCCTCCG | CGAGCTAGAC | GCCGCCGCCG | CAGGGGACGA | GCCCCGCCCC |
| | 66601 | CCAGCGGCCG | TGCCCTCCCC | GGCCAAGCGC | CCCCGGGAGA | CGCCGTGCGA | TGCCGACCCC |
| | 66661 | CCGGGAGGCG | CGTCCAAGCC | CCGCAAGCTG | CTGGTGTCCG | AGCTGGCGGA | GGATCCCGGG |
| | 66721 | TACGCCATCG | CCCGGGGCGT | TCCGCTCAAC | ACGGACTATT | ACTTCTCGCA | CCTGCTGGGG |

| | | | | | | | |
|----|-------|-------------|------------|------------|------------|-------------|-------------|
| | 66781 | GCGGCCTGCG | TGACGTTCAA | GGCCCTGTTT | GGAAATAACG | CCAAGATCAC | CGAGAGTCTG |
| | 66841 | TTAAAGAGGT | TTATTCCCGA | GACGTGGCAC | CCCCCGGACG | ACGTGGCCGC | GCGGCTCAGG |
| | 66901 | GCCGCGGGGT | TCGGGCCCGC | GGGGGCCGGC | GCTACGCGCG | AGGAAACTCG | TCGAATGTTG |
| 5 | 66961 | CATAGAGCCT | TTGATACTCT | AGCATGAGCC | CCCCGTCGAA | GCTGATGTCC | CGCATCTTGC |
| | 67021 | AATAAATGTC | TGCGGCCGAC | ACGGTCGGAA | TTTCCGCGTC | CGCTGGTTTC | TCTGCGTTGC |
| | 67081 | GTCCTGACCAC | GAGCACAAAC | GTGCTCTGCC | ACACGTGGGC | GGCGAACCAG | TAGCCGGGGC |
| | 67141 | ACGCGGTACG | CATCCGATCG | ATGAGCCGGT | AGTGCAGGTG | GGCCGACGTG | CCGGGGAAGA |
| | 67201 | TGACGTACAG | CATGTGGCCC | CCGTACGTGG | GGTCCGGGTA | AAAAAGAAAC | CGGGGGTCGC |
| | 67261 | ACGCCCCCCC | TCCGCGCAGG | ATCGTGTGCA | CGAAAAAGAG | CTCGGGCTGG | CCGAGCGTAT |
| 10 | 67321 | CGGCCAGGAG | GTCTTGAGAG | GGGGTGCTGT | GGCGGTCGGC | CAGCACGACC | AGGGAGGCCA |
| | 67381 | GAAAGGTGCG | GTGCTCAAAG | ATCGTATTGA | TCTGCTGCAC | GAAGGCCAGG | ATGAGGGCCT |
| | 67441 | CGCGGCTGAC | GGTGGCCAGC | CGCCCGTCGC | CCGCGCTGCA | CGCGGGGCAG | CAGCCCCCGA |
| | 67501 | TCCCCAGGTA | GTAGCCCATG | CCCGAGAGGG | TCAGGCAGTT | GTCGGCCACG | GTCTGGTCCA |
| | 67561 | GGCTGAAGGG | GAGCGACACG | GGGGTCGTCT | TCACCAGGGG | CACGGAGAGC | GAGCGCACGA |
| 15 | 67621 | TGGCGATCTC | CTCGGAGGGC | GTCTGGGCGA | GGGCGGCGAA | GAAGCCGCGG | TAGCGACGGC |
| | 67681 | GCTCGTGCAG | GCAGAGCTCC | AGCCTGCGCG | GCTGCGACGG | CAGGCTCTTG | CGGGAGGCCC |
| | 67741 | GGCGCTCCAC | GCCGGGGTTC | CCGGCGGCGG | AAAAGCGCGA | CCGCCGCCGG | GTCTTGTCGC |
| | 67801 | GGCCGGGCCC | GGGCCGGGAG | CCGGAGCGAC | GGGGGGCGAT | GTCATACATA | GGTACAGAGG |
| | 67861 | GTGTGCTCCA | GGGACAGGAG | AGAGATCGAG | TGTCTGTGA | GCAGCGCGCC | GGCCTCGCGG |
| 20 | 67921 | ACAAATGTGG | CCAGCGCGGT | GGGCTTCGGC | ACAAATACCT | GGTACGTCTT | GAAGGTGTAG |
| | 67981 | ATGAGGGCCC | GCAGGGCTAT | ACAGACCCGC | CCCTCGAACT | CGTTGCCGCA | GGCCAACCTG |
| | 68041 | GCCTTGTGAA | GCTGCAGCTC | GTCGCGATGG | TCGGCGCGGG | GGTGGCCAAA | CAGGACCCAG |
| | 68101 | GGTCTGACTT | CCATCTCCGT | GATGGCGCAC | ATCGGATCGC | AGAACATGTG | CTTGAAGATG |
| | 68161 | GCCTCGGGGC | CCGCGGCCCC | AAGCAGGCTC | ACGAACCGGC | CCCCGTCCCC | GGGCTGCGCC |
| 25 | 68221 | TCGGGGTCCG | CCTCGAGCTG | GCTCACGACC | GGGACTATGC | AGTCGAAGAG | GCTGGTGTGTG |
| | 68281 | TTCTCCGAGT | AGCGGACGAC | GGACGCCCTC | AGGCGTCGCA | TGGCCAGCCA | GTAGGCCCCG |
| | 68341 | ACCAGCAACA | GATTGCACAG | CAGGCATTCC | CCGCCGGTGC | GCCCGCGCCC | CCGGCCGTGC |
| | 68401 | TTCAGCACGG | TGGCCATCAG | CGGGCCCAGG | TCCAGGTCGG | GCTGGGGCTG | GGGCTCGGCG |
| | 68461 | AACTGCGCAA | AACGCGGGGC | CGCGTCGCGC | ATGCGCGCCC | CGCGGTGCGC | TTCCAGGAC |
| 30 | 68521 | TCGCTGACCG | CGGCGCGGCG | GGCGTCCGCG | GCGGCGCGCA | GCCGGGGCCC | CGACTCCCAG |
| | 68581 | ACGGCGGGGG | TGCCGGCGAG | CAGCAGCAGG | ATCAGGTCGG | CGTACGCCCA | CGTCTCCGGC |
| | 68641 | TCACCCCCCT | GCGCCAGCGC | CCCGGCGGCG | GCCTCGAACT | CCCCGTTGCG | GGCGGCGGCG |
| | 68701 | CGCGTGCAGC | AGCTGTCTCC | GCCCCGCGCG | TTGCCCTCGG | TGCAGTCGAG | CAGGCGGGCG |
| | 68761 | CAGTCCTTCC | AGTTCATCAG | GGCGGTGGTG | AGGGAGGGTT | GCGTTCCCAG | GCCCCCGCCC |
| 35 | 68821 | GCCCCCGCCC | CCGCCCCGTC | ATCGCCCCCG | GAGGCCAGGG | TCCCGATGAG | GGCCCCGGTT |
| | 68881 | GCGGACTGCG | CGAGGAAGGA | ATAGTTGGAG | TACTGCACCT | TGGCGGCGCC | CGGGGAGGGC |
| | 68941 | GTCGGCCTGG | GTTGCTTCTG | GGCGTGGCGC | CCGGGCACCC | CGCCGTGCGT | CCGGAAGCAG |
| | 69001 | CAGTGGAGAA | AGAAATGCCG | GTGGATGTGC | TTGATGGTCA | GGGCGAAGCG | CGCGAAGGAG |
| | 69061 | CCGACAAGGG | TCGCCTTCTT | GGTGCGCAGG | AAGTGGTGGT | CCATGACGTA | GACGAACCTG |
| 40 | 69121 | AAGGCGGCCA | CGAAGATGCT | CGCGGCGCAG | TGGGGCGCGC | CCAGGCACCT | GGCGCAGAGG |
| | 69181 | AACGCGTAAT | CGGCCACCCA | CTGGGGCGAG | AGGCGGTAGG | CCTGCTTGTA | CAGCTCGATG |
| | 69241 | GTGCGGCAGA | CCAGACAGGG | GCGGTCCAGC | GCGAAGGTGT | CGACGGACGC | CGCGGCGAAG |
| | 69301 | GGCCCCGTGT | CCAAGAGTCC | CTCTGCCGTG | GGGTCTGCGG | GCGGGCCGCG | GGCGGACCCC |
| | 69361 | GGCCCCCGCC | CCCCCGAAGC | CTCGCGCGCG | GCCCCGCGCG | GCCGCGGGGG | GGCGGGCGCG |
| 45 | 69421 | ACGTCGCTCT | CCACGTCTCT | GTCGAGCGCG | CTCGCGGGCG | GCACGCCCTAC | CACGTGACAG |
| | 69481 | GCCGCCAGGA | GCTCGGCGCA | CAGGGCCTCG | TTAAGAGCCA | GAAGGTCGGG | ATCGAAGGCC |
| | 69541 | ACATACGGAC | GCTCGAACGC | GCCCTCCTTC | CAGCTGCTGC | CCGGCGACTC | TTCGCGCACG |
| | 69601 | GCGGCGCTCG | ACGGCACCCC | CGGGGCGGAC | GTCGCCATGG | CCGGTCGAGC | GGGGCGCACG |
| | 69661 | CGTCCGCGAA | CGTTACGGGA | CGCGATCCCC | GACTGCGCGC | TGCGGTCCCA | GACCCTGGAA |
| 50 | 69721 | AGTCTAGACG | CGCGCTACGT | CTCGCGAGAC | GGCGCGGGGG | ACGCGGCCGT | CTGGTTTCGAG |
| | 69781 | GACATGACCC | CCGCCGAAC | AGAGGTTATA | TTCCCGACCA | CGGACGCCAA | GCTGAACCTAC |
| | 69841 | CTCTCGCGGA | CGCAGCGGCT | GGCCTCCCTC | CTGACGTACG | CCGGGCTTAT | AAAAGCGCCC |
| | 69901 | GACGGCCCCG | CCGCCCCACA | TACGCAGGAC | ACCGCGTGCG | TGCACGGCGA | GCTGCTCGCC |
| | 69961 | CGAAAGCGCG | AACGGTTCGC | GGCGGTTCAT | AACCGGTTCC | TGGACCTGCA | CCAGATCCTG |
| 55 | 70021 | CGGGGCTGAC | GCGCGCTTCG | GCGGGGCACC | GGCACCGGGA | CCGACTTGTT | TTACATAACA |
| | 70081 | GTAGGGGGTG | GGGGAACCGG | CACCTTTGCC | CGGTGCGGAT | GGCGGGGATG | GGGAAGCCCT |
| | 70141 | ACGGCGGCCG | CCCGGGGGAC | GCGTTCGAGG | GTCTCGTTCA | GCGCATCAGG | CTCATTGTTT |
| | 70201 | CCGCCACGCT | GCGCGGCGGG | GGTGGGGAGT | CGGGCCCTTA | CTCGCCATCC | AACCCGCCCT |
| | 70261 | CGAGATGTGC | CTTCCAGTTC | CACGGCCAGG | ATGGGTCCGA | CGAGGCCCTT | CCGATCGAGT |

| | | | | | | | |
|----|-------|------------|------------|-------------|------------|------------|-------------|
| | 70321 | ACGTCCTGCG | GCTCATGAAC | GACTGGGCCG | ATGTGCCCTG | CAACCCCTAC | CTGCGCGTGC |
| | 70381 | AGAACACCGG | CGTTTTCGGT | CTGTTTCAGG | GGTTTTTTAA | CCGGCCCCAC | GGCGCCCCGG |
| | 70441 | GGGGCGCGAT | CACGGCGGAG | CAGACCAACG | TGATTCTGCA | CTCCACCGAG | ACGACGGGAC |
| | 70501 | TGTCCCTCGG | AGACCTGGAC | GACGTCAAGG | GGCGCCTCGG | CCTGGACGCC | CGGCCGATGA |
| 5 | 70561 | TGGCCAGCAT | GTGGATCAGC | TGCTTTGTGC | GCATGCCCCG | GGTGCGCTC | GCGTTTCGGT |
| | 70621 | TCATGGGCCC | CGAGGACGCC | GTTCGCACGC | GGCGGATCCT | GTGTGCGGCC | GCCGAGCAGG |
| | 70681 | CCCTCGCCCC | TCGCCGCCGG | TCCAGGCGGT | CCCAGGATGA | CTACGGGGCG | GTGGTGGTGG |
| | 70741 | CGGCGGCGCA | CCACTCTTCC | GGAGCGCCCC | GGCGGGGGGT | CGCCGCCCTC | GGCCGCCCAG |
| | 70801 | CGCCGCCCGG | ACGGGGACCG | GCCCCGTCCG | GGCATCAGGC | CGTGCACTTG | TTCCGGGGCC |
| 10 | 70861 | CGCGTCCGGG | CCCCCCGGCG | CTTCTGTTGC | TGGCGGCGGG | GCTGTTTCTG | GGGGCCGCTA |
| | 70921 | TCTGGTGGGC | GGTTGGCGCG | CGCCTATGAA | AGGGGGCGAG | CCACCGTCCC | GCCCCGCCAG |
| | 70981 | GCATCCAGAG | CGCCCGCGAG | CCGCACATCC | CCTCCGCTCC | CGCCTCCGGC | CCGATTCTTA |
| | 71041 | CGGCGCGACC | CAAGGTCCCG | ATGGCCGCCC | CGCAGTTTCA | CGCCCCCAGC | ACCATTACCG |
| | 71101 | CCGACAACGT | CCGGGCGCTC | GGCATGCGCG | GGCTCGTGTT | GGCCACCAAC | AACGCTCAGT |
| 15 | 71161 | TCATCATGGA | TAACAGCTAC | CCGCATCCGC | ACGGAACGCA | GGGTGCGGTG | CGAGAGTTTC |
| | 71221 | TTCGCGGGCA | GGCCCGGGCG | CTGACGGACC | TCGGGGTGAC | CCACGCCAAC | AACACGTTTC |
| | 71281 | CCCCGCAGCC | TATGTTTCGG | GGCGACGCCG | CGGCCGAATG | GCTGCGGCCC | TCGTTCCGGT |
| | 71341 | TTAAGCGCAC | GTATTCCCCC | TTTGTCTGTT | GCGACCCCAA | GACCCCCAGC | ACCCCGTGAG |
| | 71401 | TCCTCGGCGG | GTCCCTCCGC | GGCCGTCTCT | CGTTGCCCCC | CTTTCCCCCT | TCCCGGGTGG |
| 20 | 71461 | TTCAATAAAA | AACACCAACA | TACGATATTC | GCGTTTGATA | CGTTTATTGG | GGGGGGTGTA |
| | 71521 | GGGCCCAACG | ATCGGCGATT | AACAACACCA | AACAATCGAG | CGCGTCTAAC | CCAGTAACAT |
| | 71581 | GCGCAGCTGA | TGTAGGCTGG | TCAGCAGCGC | GTTGCTGCGC | TGAAACAGCG | CCCTGCGGGT |
| | 71641 | CCGCTGCAGC | TGTTGTTGTA | TGCGGCGGCA | TGCGCGGATC | AAAACCGCCA | GGGCGCTACG |
| | 71701 | ACCGGTGCTT | CGTACGTAGC | GTCGCGACAA | GACGGCATTT | GCCTGTACCG | GCAAGGGGCC |
| 25 | 71761 | AAATTGCGAG | TGTGGTGACT | GGAGGTGGTC | GGCGGCCAAT | GGGCCGGGTG | GTTCTGCGGC |
| | 71821 | GGGGGGCAAG | TGCGGTTCCG | GTGGGAGGGG | GTCGAGCGCC | TCGGTATCAT | CCGAGTCCGA |
| | 71881 | GAAACGCAGG | GAGTCTGCGT | CGGAGTGTTT | ATCATCGGAG | GAGATGTGCA | GCGTCTGAAG |
| | 71941 | CAGCGATGCG | GGTGGGGGGC | CGGAGTTCGAC | GTGAAGCGCG | AGAGAGGAAG | CCCACGAAGT |
| | 72001 | CACAGCGGAC | ACTGGGAGGT | GGGTGTTTGT | ATGTGTGGGA | GAATCGGGCG | TCGGGACCGA |
| 30 | 72061 | GTCTCGGCTC | TGGGGTGTA | GCGTCCGAGT | TACGGGCGGC | AGGGGCGGCT | GGGGCAGGGG |
| | 72121 | CGGCTGGGGC | AGGGGCGGCT | GGGGCAGGGG | CGGCTGGGGC | AGGGGCGGCT | GGGGCAGGGG |
| | 72181 | CGGCTGGGGC | AGGGGCGGCT | GGGGCAGGGG | CGGCTGGGGC | AGGGGCGGCT | GGGGCAGGGG |
| | 72241 | CGGCTGGGGC | AGGGGCGGCT | GGGGCAGGGG | CGGCTGGGGC | AGGGGCGGCT | GGGGCAGGGG |
| | 72301 | TTTGGTTCGG | GGTGACTGGG | GTGGGGGGCG | GCGGGCAACC | GGGCCTCCGG | GCACGACCCA |
| 35 | 72361 | ACCGCACAAA | GGCTCGCTCG | GGGCAACCGG | GCCTGGGGCC | AAAGGCGGGG | GGCTGGTCTG |
| | 72421 | GACGCGGAGG | GTGCGGGGGG | CAAGGCCCGG | AGAAGGCGGC | ACTGCCGCCG | CTGCGGCGGA |
| | 72481 | AACGCGGGCC | GCGTGGTTCG | CTGGGTCCCG | GGGAGAGGGG | AGGGAGTTCA | ACGAGGCCGA |
| | 72541 | GAGCGAGGCG | ACCGCGGGGG | GCGTGAGGCG | CCGGGGTGCG | CCGGCCCGCG | GGCCCCGGGG |
| | 72601 | GGGTGTCGGC | GAGGGACCCG | CTGTTGTCTG | GCGGCGGGCG | CGGCGGGCGT | CGCCCCGGGG |
| 40 | 72661 | GACGACCGCT | CCTTCGGCGG | GCGGAGGCGG | GATGGGCGCG | AGCGTGGGGG | CGGGAAAGGC |
| | 72721 | CCGCGAGGCC | GAGGCGGGGC | CGGGCGGAAG | GGGCAAGGCA | GAAACCGAAG | CCGGGGCGCG |
| | 72781 | GGACTCCGGG | GTGGGCGGCT | GGTCCGGGAG | ACGCGCGGAA | GCGGCGACCG | GGGCGACCGG |
| | 72841 | GGCGGGGAGT | GCCGGCGGAC | GCCACCCCTC | GGGGGGGGCG | GAGGCCCGGG | GCGCGCGCGA |
| | 72901 | TTTGGCACGC | GTCCGGCGGG | ACCTGCGCAC | GCGGCGGACG | GCGGCGGAGA | AAGCGGCGGC |
| 45 | 72961 | AGAGCCGGAA | AAGGCCGGGG | GAGGAAGCGC | GGCATCCGCG | GGGGGACTCG | GTGTGGGTGG |
| | 73021 | CGAGGGCCGT | GGGTGCTCGC | GAGGGGCCAC | GGGCACGCGC | CCCGTGTTTT | GTGAGGCGCG |
| | 73081 | GACACTCGGT | CGTGTTTTCG | GAGCCGTAGC | TGCCGGCCCC | ATGGGCCCGC | GTGCGTACTG |
| | 73141 | GGACGTGGGG | ACGGACTGAT | CGGTGGCGGG | GGGGGGAAGA | AGGGGCCGGG | CCGGATTGGG |
| 50 | 73201 | CGTGGGGCCG | CCGGCGTCTG | CGGACGCCAG | CTCCTCCAGG | CCGTGGATCC | AGGCCACAT |
| | 73261 | GCGAGGGGGG | ACGGGCTCGC | CGGTGGTGGC | GTGCGGTGAG | AGAGTGGGGG | CGAGGACCCC |
| | 73321 | CGGGTCCGCC | TGCCGTGCGG | GGGGGGCAGC | GGGGTCTCTG | GGACCCGATC | CGCCATCCCC |
| | 73381 | CCCCGCAAGG | TCCCGCGGGT | CGCGGGCGGC | GGTCCGGGCA | GAGGGACCTG | CCTCGTCCGC |
| | 73441 | GAGGGGGCGC | TGGTAAACCG | GGTGTCCCGG | GAACAGCTCC | CCCGTCAGGA | GGGAGGCGTC |
| | 73501 | GAAGGGCCGC | CCGAGGATGG | CCCGCGCGAA | GAAGGGGTCC | GCGTCCGGCG | CGCTCGCCGC |
| 55 | 73561 | GAGAACGTCC | CCCGCGGTAG | CCACAAACCG | AAGCTCCTCG | GTGGCCTCGC | TGCCACAAAA |
| | 73621 | CCGCACGTCA | GGGGGGCCGG | GGGGCTCCGG | GGCTTCCAC | AAGACCGCGA | CCGGGGTTCAT |
| | 73681 | GGAGATGTCC | ACGAGGACCA | GGCAGCGGGG | CCCCTCGGCG | AGAGGGCGCT | CGGCGATGAG |
| | 73741 | CGCCGACAGG | CGCGGGAGCT | GCGCGGAGCT | ACACGCGTTT | TCGATCGGGT | TGAGATCGGT |
| | 73801 | GTGGAGGAGG | CCGACGGCCC | ACGTCTCGAT | GTCGGACGAC | ACGACGTGCG | GCAGGGCGGC |

| | | | | | | | |
|----|-------|-------------|------------|-------------|------------|-------------|-------------|
| | 73861 | GTCCGGCCCCG | CCGGGGCGCG | AGTCGAAGAG | CGTCAGGCAC | AGTTCCAGTT | CCGACTCGCG |
| | 73921 | GGAGAAGGCC | GTGGTGTTC | GGAGCGCCAC | CACGACGGGC | GCGCCGAGGA | GCACCGCGGC |
| | 73981 | CAGAACCAGG | TCCATGGCCG | TAACGCGCGC | GGCGGGGGTG | CGGTGGGTTCG | CGGCGGCCAG |
| | 74041 | CACGGCCACG | TGCTGGCCCC | TGGGTTCGGTA | GAGGGCGTGG | GGGGCCTCGG | GGAGGGACGC |
| 5 | 74101 | CTCGCGCCCC | CCCGCCGGGC | CGAGCGTCTG | GCCAGACTCC | AGGCGTGC GG | CCAGGAGGGC |
| | 74161 | GTCTGAAGCTG | TCGTACTCGG | TGTAGTCGTC | GGGAAACATG | CAGGTCCACA | GCGCGGCCAA |
| | 74221 | AGCGGCGCTC | GGCAGACACA | TGCGCCCGAG | GACGCTCACC | GCCGCCAGGG | CCTGGGCCGG |
| | 74281 | ACTGAGCTTC | CCGAGCGCCG | GGACGTCCTG | GCGCTGGGTC | CCGAGCTCCA | AGGCCGAGCG |
| | 74341 | CCAGGGCGCC | AGCGGGTCGG | TTTCGGACAG | CTTGCCCCGG | CGCCAGTCGG | CCAGCCGCGT |
| 10 | 74401 | GCCGAACAGG | AGGCCCGGGG | TCGGGGGGCC | TCCGTCCAAA | AACGTCGGCA | ACACGCGGAT |
| | 74461 | GCGGGCGTCG | GGATGCGGGG | TCAGGCGCTG | GACGAACAGC | ATGGACTCCG | CTGCGTCTCT |
| | 74521 | GAACGCGCGT | TCGAGGGTGA | GGTGCATGTA | CTCGTGCTGG | CGAACGAGGT | CCAGGCGCCA |
| | 74581 | GAAGTTGTAG | ATGTGTTCCG | GAACGCCGGC | CACCAGCGCG | ACCAGCACGT | CGTTCTCGTT |
| | 74641 | GAAGGCGACG | CAGTGGCGCT | GGGACCCCCG | GGGGCCCGGC | GGCGGACGCG | GCGCCGCCCG |
| 15 | 74701 | TCCGGACGCC | CAGCCCAGCT | GGGCCAGCG | ACACCCAAAC | TCGCGCGTGA | GGGTGGTGGC |
| | 74761 | GACGAGGGCG | ACGTACAGCT | CGGCCGCCCG | GTCATCGAG | GCGCCCCACG | TCGCTTGGCG |
| | 74821 | ATGGCGCACG | AAGCGACCGA | CAGCTGAAA | GTTGGCGGCC | TGGGCGTCGC | TGAGGGCCAG |
| | 74881 | CTGGAGCCCG | TTCACGACGG | TCAGCACGTA | CATGGCCGTG | ACCGTCGGGG | CCGATTTCGAG |
| | 74941 | GACGTCCGTC | GGAAGCGGGG | GCCGCACGCA | GGCCGCCTCG | GGACGCATCA | GCAGCGCGCC |
| 20 | 75001 | GAGTTTGTTC | GTGACGGCCG | GGAAGCATAG | CGCGTACTGC | AGCGGCGTTC | CGTCCGGGGC |
| | 75061 | CAAAAAGCTG | GTGGCGAACG | GCAGATCCAG | AGCGCTGACG | GCCTCACGCA | GCACCAGGGG |
| | 75121 | CCCCGGGTCT | CCGCCGGCGC | GCAGATACGC | CTCGCCCCGG | CGGCGCAGCA | GCTGCGGGTC |
| | 75181 | GACCTCGTGG | CCCTCGGGGG | AAGAAGAGGC | CCGGGCGCGG | GCGTCGAGGG | CGCGAAGATC |
| | 75241 | AACGAGCAGG | GGCGCGGGCG | CGGACTCCCG | GCCCCGCGCC | GTCTGGCCGC | CGGCCCTGGC |
| 25 | 75301 | GTACGCGCTA | TATAAGCCCA | TGCGGTATTG | GATGAGTTCC | CGCGCGCCCC | GGAACTCCTC |
| | 75361 | CACCGCCAC | GGGCGCAGGT | CCGCGGCCCG | GCGCTCGAAC | TCCGCCAGCA | GGCCCCCCAG |
| | 75421 | GGCGTCAAAG | TTCATCTCCC | AGGGCACCCCT | GCGCACCAAC | TCATCCCCGA | GCCGGGCGCA |
| | 75481 | CAGGGCGGTG | TGCTTGGTGA | CGCGCGCGCC | CAGCTCCTCC | ACGGCCTCCG | CGCGCTCGGC |
| | 75541 | GCCCTTGCGG | CCCAGGACGC | CCTGGTACCT | GGCGGAAAGG | CGCTCGTAGG | CCGGCTGGGC |
| 30 | 75601 | CCGCAGCCCC | GACACCGTGT | TGGTGGTGTG | CTGCAGGGCG | CGCAGCTGCT | CGTGATGCGC |
| | 75661 | GCGGAACCCC | TCGGGGGACT | TCCAGGCGCC | CCCCCGGACG | CGGCCAAAGC | GACCCCAGAC |
| | 75721 | CTCGTCCCAC | TCCGCCTCGG | CCTCCTCCAG | GGACCTCCGC | AGGGCGTCGA | CGCGGCGCCG |
| | 75781 | AGTATCAAAG | AGCGCCCCCA | GGCGGCCGGC | GTGCCGCGCC | AGGGGGCCGG | GGCCGTTCGC |
| | 75841 | GCGGGCGGCG | CTTAGCGGGT | GCGTCTCGAA | GGTGCGCTGG | GCGTCTCTA | GCCAGATAAC |
| 35 | 75901 | CGCGGGCACG | TCGAGCTCGC | GCGTTTTCTC | GGTCTGATCC | AACAGAACCT | CGACCTGGTC |
| | 75961 | GGCGATCTCC | GCCACCGAGC | GCGCCTGGTC | GAGCGTCTTG | GCCACGGTCG | CCGGGACGGC |
| | 76021 | GACCACCTTC | AGCATGGTCT | TGAGGTTGGC | CAGGCCCTCG | GCCTCGATCT | GGGCCCGGCG |
| | 76081 | CTCGCGCGCG | GCCAGCGCCT | CCCGCAGGCC | CGCCATGACC | CGCTCGGTGG | CCTCCGCGCG |
| | 76141 | CTGCTGTTTG | GCGCGCACCA | CTGCGTCCCT | GGTCTCGGCC | GTGTCTCGCC | GGGTACAGAA |
| 40 | 76201 | GGCGACATAC | TCGGCGTACG | CCGTGTTCTT | CACGGGGCTC | TGGTCCACGC | GCTCCAACGC |
| | 76261 | CGCCGCGCAC | GCGACCAGCG | CGTCCCTCGT | GGGACACGGC | AGGGTGACCC | CGGTCCGGAC |
| | 76321 | CAGCTCCGCG | GTGGCCTCCG | GGTCATTCGG | GGCCGCGGAT | ATCTGCTCCG | CGGCGGCCGC |
| | 76381 | CAGGTCCAGG | GGCAGCGCGC | CGAGCGCCCG | GTGCACGTCG | GCCCCGATGG | GCTCCAGGCG |
| | 76441 | ATCGCGGAGC | TCCACGTAGT | CGGCGTAGCC | ATGTTGGAAG | AACGGCACGT | ACCGGCGCAG |
| 45 | 76501 | GCCGGGCACG | CTCGTCATGT | CGTCCGCCAG | GCGCCCCACG | GCCTCGTGGT | AGTCGATAAA |
| | 76561 | CCCGTTCGCCC | GCCTGGGCCA | TTTCCAGGAG | CCCCTCCGCG | ATGCGCAGCA | GCCGCGCCAG |
| | 76621 | GGGCTCGGCG | TCGACCCGAA | ACATGTCGGC | GTAGGTTTCG | GCGGCGGCGT | GGAACGCCGC |
| | 76681 | GCTCCAGCCG | AGGCGGTGGA | TGGCGGCGAG | CGGGGGGAGC | ATGGGGTGCC | GCTGGTTCTC |
| | 76741 | GGGGGTGTAG | GGGTAAACG | CGAAGGCCGT | ATCCAGGGCG | AGGGTGACCG | CCTCGGCGTT |
| 50 | 76801 | GGCCGCGAGC | GCCTGCTCGG | CGCGTTGCG | GAAGTCCCGG | GGGTGTAGC | CGTGCGTGCC |
| | 76861 | GCACAGCGCC | TGCAGGCGGC | GCAGCTCGAC | CACGTCGAAC | TCGGCGCGGT | TCTCGACGCG |
| | 76921 | GTCACAGCGC | GCCTCGACGC | CGCGGCCCCA | CGGCTCGCTG | CTGCCCCGGG | CTGCGTGGGC |
| | 76981 | CGCCATCTTC | GCGCTCAGGT | CGGCGACGGC | GGCCTCAAGT | TCGTGCGGCG | GGCGTTCGCT |
| | 77041 | GGCGCCGATG | ACCTTGCCCA | GCTCCTGCAG | GGCGCGCCCG | CTGGGGGAAT | GGTCCCCGGC |
| 55 | 77101 | CGTCCCTTCG | GCGTGCAGCA | GGCCCCCGAA | CCCAGCCTCG | TGCCCCGCGA | GGCTTTCCCG |
| | 77161 | AGCAGCGGTC | GTCGCGCGGG | CCGCGGCATC | GATGAGGGCG | GCATGGTCCC | CCTCCGCGTC |
| | 77221 | GGCGCAGGCC | CGGCGCGCCT | GGACTACCAG | GTCGGCGGGC | GCCGACCCCA | GGGTCTGTAG |
| | 77281 | CTCGTTCGAT | GCCCCCGCG | CCTCCAGGGC | CAGCCGAGTC | GCCTTTACAT | ACCCGCGCGC |
| | 77341 | GCTATCGGCC | AGCACCGCGA | GGAAGGACAG | GGGCGAGGCC | GGGTCTCGGG | CGGCCGCGCC |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|-------------|-------------|
| | 77401 | CAGGGCCGAC | ACCGCGTCCG | CCAGGGCGCC | ATGCGCCCGC | ACGGCCGCGT | CCACCGTCGC |
| | 77461 | CGCGGGACTT | GCCGTGCGCA | CGGCGGCGCT | CCCGGCGTTG | ATGGCGTTTG | ACACGGCTTT |
| | 77521 | GGCGATTGTG | GGGGCGTGAT | CGGAAAAGAA | CTGCACGAGG | ACCGGCGTCT | CGGGGGCGTC |
| 5 | 77581 | GGCGAACAGG | GTCTTCAGCA | CCACCACGAA | GGCGGGATGC | AGGCCGGCCA | GAGCCGTCGC |
| | 77641 | GGTATCCGGG | GTCGGGTGTT | CCAGGGCCTC | CCGGTACTGC | CCCAGCAGCC | CCCACAGGTC |
| | 77701 | CGCCCCGAGC | GCCGCCGTGA | CTTCCGGGGG | GGGGCCCGG | ACGGCATCGG | CCAGGTCGGT |
| | 77761 | CCACCCCAGC | GGCAGGGAGG | CCCGCAGGGT | CGCCAGCACG | GCCGGACACG | CCTTTAGCCC |
| | 77821 | CACAAAGTCC | GGGAGGGGCC | GCAGGACCCC | TTGGAGTTTG | TGCAGGAAC | TCTCCGGGCG |
| 10 | 77881 | GTCGTGGGCC | ACCTTGCGCG | GCTCCCGCGC | GTCGTTGAGC | ATCGCCTCCA | GGGCGTGGGC |
| | 77941 | GCGTCCCGA | AGCCGGGAGC | GCGCCTCCGG | AGCGAGCTCC | GCCGTCACT | TGGCCGCCTC |
| | 78001 | CATGGCCCTC | GCCTGCCGCA | GCGCGTCTTC | GGCCATGCGC | GTGGCCTCGG | GGGACAGCCC |
| | 78061 | GCCCCCGTCG | ACGTACGGCG | CGGGGCGCGT | CGCCGGGACG | AAGGCCGCGT | CGCTGTCCAG |
| | 78121 | CTGCTGCGCG | AGCGCCGCGT | CGAGGGCGTC | GAAGCGCTGC | AGTTCCGGCCA | GCCCCGAGCT |
| | 78181 | GCGCCGCGCC | TGCTGGTTCG | TGATGCCGTG | GATGCTGCGC | GCCAGCTCTT | CCAGGGGGCTT |
| 15 | 78241 | GCGTTCGATG | AGCCCCCTGG | TCGCGGCGTC | GGTCAGGACC | GAGAGCCAGG | CCGCCAGGTC |
| | 78301 | CTCGGGGGCA | TCTAGGGGCT | GGCCCCGCTG | GAGCAGGTCC | CGCAGCAGGA | TGGCCTGGGG |
| | 78361 | GCTGGTGGCG | AGGGGGGGCG | GGGGGGGGAG | CGCGGCGCGC | TGAGCGACGT | CCCGCGTGTG |
| | 78421 | TTGGTCAAAG | GCCGGTAGCG | ATTCCAGCAA | CTGGACCATG | GGCACGACCG | CGGCCGAGGC |
| 20 | 78481 | CACGTGAAAC | CGACAGTCGT | GGCTGTGCT | GGCCTGCAGG | GCCTTCGCGC | TGTATACGGC |
| | 78541 | TCCCCGGTGG | AAGTACTCCT | TGACCGCGCT | CTCGATCGCC | CGGCGGGCCT | GGATCCGCAC |
| | 78601 | GTCTTCCAGC | CGCGCCTGGA | TGGCCTCGGG | GCCCAGGCGG | GGCGGGCACC | GGGCCCTGCC |
| | 78661 | GCCGGCGCCC | GGGGCGGGCG | GCACGGGCAT | CACGGTCAGG | GGCCCCGGCG | GCTGCGAGAC |
| | 78721 | CGAGTCGACC | CCGCGGGCGA | GGGCGTCTAA | GGCCTGCGCG | ATCTCGCGGG | CCTCCGCCTC |
| | 78781 | GACCCGATC | TCTTCGCCCC | GGGCAAACTG | GGCCAGCGCC | TGGATCCGAT | GGAGAAGCGG |
| 25 | 78841 | CTCCGGGTGC | GTCGGGTGCG | CGGGGGCGAA | CAGGGTGTTC | GGGTGGGCGC | CGCAGCGCTC |
| | 78901 | CAGGAGCCAC | TCTCCGAGGC | GTGCGTACAG | ATTGGCCGGC | GGGGCGGGCG | GCAGCTGCAG |
| | 78961 | ATCCAGGTCC | GCGAGGTCCC | CGTAAAAGGC | GTCCGTCTCC | CGAATAACGT | CCCTGGCGAC |
| | 79021 | CAGGACCAGC | TTAGCGAGGG | CCAGGCGCCC | GATCTGCGAA | TTTTTCGTCCA | GCACGTGCTG |
| 30 | 79081 | GATGAGGGGC | CGGTGGGCGG | CCACGTCCGC | CAGGCTCATG | CGCGTGGACG | CCAGGAAGTC |
| | 79141 | CCCGACGGCC | GTTTTGCGGG | GCAGCATGCG | CAGGGTGAAG | TCCAGCAGGG | CCGCGGCCGG |
| | 79201 | GCCGGCCACC | CCGGCCTGCG | TATGCGTGCG | GGCCCCGTTC | TCGATCAAAA | AGGCGAGGAC |
| | 79261 | GCGCTCAAAG | AAGAAGATGA | CGCAGAGCTC | CAACAGCCCC | GGGTGCGCCG | GGTACGGCGA |
| | 79321 | CCGCAGGGCG | TTGATGGTGA | GCTGCGAACA | CGCGGCCACC | TCGCGGGCCA | GGGCGGCATC |
| | 79381 | GCGCGCCGCG | AGCCGGACCG | CCGTGGCGGC | CACATTGGGG | TGGACCTCGA | ACAGCTGCGC |
| 35 | 79441 | CAGGTGCGCG | CCGGGGGGCT | CCGGGGGGCG | GCGGGCCCCC | AGCGTCTCGA | GCACGGACGG |
| | 79501 | CGACGACGGG | CTCGCGGGCC | CGTCGTGCGC | GCCGCCCTGC | CCGGAAGTGC | GGGGGGTATC |
| | 79561 | CGGTGCGGGA | GGGACCGTGG | CGGCTATGGG | CGTCGGGGAG | GAGGCGGGGA | CCTCGGCGGC |
| | 79621 | GACGGGGGCC | TTCTTCTTGG | GCGCGGACTT | CTTCTTGGCC | TTGGCGGGCG | GGGCCCTTGGG |
| | 79681 | GGCGGGCCTC | TCGCCCCGAG | TCAGATCCTC | CACGCTGGAC | GGTGGGGTCC | AGGTGGGCCG |
| 40 | 79741 | GCGGCGCTTG | GGCAAGCCGG | TAGAATAGCG | CGCCCGGTGG | CGACCCACCG | GCACTGCCCC |
| | 79801 | CACCTCCAGG | ACCCGCAGGT | CCTCGGCTTC | TTCGGCCGCG | TCCCCGGCGG | GTGTCTGCGG |
| | 79861 | GGGCGGGGCG | GCGTGCGGTG | GACCCGAGGC | CGCGGCGTCC | GGGGCCGAGG | GCTTCGCGGG |
| | 79921 | CGGGGTCCCC | TCCAGGGCTG | CTGCCCCAC | ATCATCGGGG | GGGCGGTTTG | GGTGACCCCG |
| | 79981 | CTGCGGTGTG | TCGGGTGGGC | CCGAGGCCCC | CCGGGGGGCC | TCGGGGGGCC | GGTCGGCCCC |
| 45 | 80041 | AGGGGTCTGG | ACGTGGGTGG | GCGCGGGGAG | CGCGGGGACG | ACCGGGCCCC | AGCCTTCTCC |
| | 80101 | GTCCCCCTTG | GGGACCACAC | CGACAAAGAG | CGCCCCGAGC | CCCCCGATCT | CGCCCCGCAG |
| | 80161 | GGGGTGGGTG | ATGGCCACGC | GCCGCTCGAC | GAACGGTTCG | TCCTGCAGGT | AAGTCTCGCT |
| | 80221 | GGCCCCGTAG | AGGTGCAGGG | CCGCGGCGGT | CAGGTCCGCC | GGCGCCACGG | CCCCCGGGCC |
| | 80281 | GGAGGGCACA | AAAAACACCA | TGGCGCCCGC | CCACCGCAC | TTGGGGCGGT | CGTGGGCGTA |
| 50 | 80341 | ATACGTCAGG | TACGGGTACA | CGTCGCCCCG | CCGACCTTG | GCGATAAACG | CGGGCGTTCC |
| | 80401 | CGCGGGCAGG | CCGTGCGGGT | CAAACAGATA | GGCCGTGTTC | CCGTCCCGGT | AGAGCCCAT |
| | 80461 | GCCCAGGGGG | CCGATGGTCA | GGAGCGTGTA | GGACAGCGGC | CGCATGGCCC | AGGAGCCGGC |
| | 80521 | GAAGAACGTG | TGCGCGGGGC | ATTGCGTCTC | CAGCAGCTCC | GCCGTGGGCT | CCCCGAAGAA |
| | 80581 | GCCCACCTCG | CCGTACACCC | GCGAAAACAC | GCAACGCTAG | CCGCCGCGCG | CCGCCGGGTA |
| 55 | 80641 | CTCCAGGAAG | TTGGGGAGCT | CGATAATGGA | ACACATGCGC | GGCGGCCCCG | AGCCCGCGGC |
| | 80701 | CGCGCGCGTC | CACTCGCCCC | CCTCCACCAG | ACATCCCTCG | ATGGCCTCCG | CGGACAGCAC |
| | 80761 | GTCGCGGGGC | CCCACGTGCA | AAAGAAGACT | GAGAACTGAC | AGGGACGAGC | GCATGCACGA |
| | 80821 | TACCGACCCC | CCCGGCTCCA | GATCGGTCGC | GAACGTGTTT | CGAACACCGG | TGACCACGAT |
| | 80881 | ATCGCGATCC | CCCTGGCGCT | TCATCGTGGG | GTGAGGTAGC | GCGGCCGGAA | TCATGTGTGC |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|------------|-------------|
| | 80941 | CGCGCCCGCC | ACGAGCGGGG | CCTGTTTATG | GGCCGGGCGT | CCCGATGAGT | ACTGTTGTTT |
| | 81001 | CCGCCGCCCC | AACCCCCCGG | CCCATCAACC | GCCTGTTTCG | CCCCCTAACC | ACACACCCGG |
| | 81061 | TATCGCGTGT | GTGTGGTTTC | CCGGGAAGAC | ACATCCCACC | CCATGAAGTT | TTGCCCTTTT |
| 5 | 81121 | TTTCCGTCCC | GCACTACGCC | ACCTTTCCAC | CCCCCCCCAA | AAAAACAACA | ACCAACTCCC |
| | 81181 | AGATGGATGG | GTGCGATAAT | AAAGCTTTAT | TATTGTTTAA | CCAAAGGCGA | GTCCTACGGG |
| | 81241 | TGTACCGGTG | GTGTCTCCTG | CGGCGTCATC | TCGTGTCCTT | CCACGGGGGT | GTTGGGCCAA |
| | 81301 | GGGACCGTCT | CGCGGCCCGC | CGGGCGCGTC | GACGGCGCGC | GGGCCTGCGT | GTCCTGTGGG |
| | 81361 | CCGGGTGTCT | TGGGTTCGGG | GGTGCTACCG | CCGGCATCTT | GGGCCTCCAG | GTCCCCGGGG |
| | 81421 | GCCCCCGGGC | CGGCGGAAGG | CCGAAACGCC | GAGGCGCGAA | ACACGCCGTC | GGTGACCTGC |
| 10 | 81481 | AGGAGCTCGT | TTATTAATAG | CCAGTCCATG | CTCAGCGTAG | CGGCCAGCCC | CTGGGGAGAC |
| | 81541 | AGGTCCACGG | AGTCCGGAAC | CACCGTCGGC | TGACCCAGGG | GCCCCAGGCT | GTAGTCCCCC |
| | 81601 | CAGGCCCCCA | GGTCATGACG | GTTTCGTGAG | ACGACGAGGT | CTGCGGCCGG | GCTGGGGGGC |
| | 81661 | GCGTCTCTCG | TCGCGTGGGC | CATCACCTCC | TGAATGGCTG | CGGTGCGCTG | ATCGGCCGAG |
| | 81721 | CTGGCGAAGC | GCGCCACGAC | CAGCGCGCGC | TCCGTCTGCA | GGCCCTTCCA | CGTGTCTGTG |
| 15 | 81781 | AGTTCCTGAA | CGAATCTGGC | CACCCGCTCG | GGGCCCGTGG | CCGCGCGTGC | GGCCTGATAG |
| | 81841 | CCGGCCGAGA | GGCGCCGCCA | GCGCGCCAGG | AACTGACTCA | TGTAACAGAA | CCCGGGGACC |
| | 81901 | TGGTCCCCCG | ACATCAACTT | TGACGCCCTG | GCGTGGATGC | CCGACACGAT | GGCCAGGAAC |
| | 81961 | CCGTGGATTT | CCCGCCGCAC | GACGGCCAGC | ACGTTACCCT | CGTGCGAGAC | CTGGGCCGCC |
| | 82021 | AGCTCGTCGC | ATACCCCGAG | GTGCGCCGTC | GTCCTCGGTG | CGACGGACCG | CAGCCCCGCG |
| 20 | 82081 | AGGGACGCGA | CCAGCGCGCG | CTTGCGCTCG | TGATACATGC | CGCAGTACTG | GCTCACC GCG |
| | 82141 | TCGCCCATGG | CCTCGGGGCG | CCAGGGCCCC | AGGCGCTCGT | GGGCGTCTGC | GACCACGGCG |
| | 82201 | TACAGGCGGT | GCCCGTCTGT | CTCGAACCGG | CACTCAAAGA | AGGCGGCGAG | CGTGCGCATG |
| | 82261 | TGCAGCCGCA | GCAGCACGAT | CGCGTCTCTC | AGCTGGCGGA | CCAGGGGGTC | GGCGCGCTCG |
| | 82321 | GCGAGTCTCT | GCAGCACCCC | CCGGGCCCGC | AGGGCGTACA | TGCTGATCAG | CAGCAGGCTG |
| 25 | 82381 | CTGCCACACT | CGGGAGGCTG | GGGGGGAGGC | AGCTGGACCG | CGGGCCGCGA | CTGCTCGACG |
| | 82441 | GCCCCCTTGG | CGATCACGTA | CAGCTCGCGC | AGCAGCTGCT | CGATGTTGTC | GGCCATCTGC |
| | 82501 | ATCGTGGGCC | CGACGCCGGC | CCGGGTGGCC | GGTTCGAGGA | GGGTGATCAG | CGCGCCCAAT |
| | 82561 | TTTGTGCGGT | GCCCCCTCGA | GGTGGGGAGA | TAGCCCAGGC | CGAAGTCGCG | CGCCAGGCC |
| | 82621 | AGCACCCGCA | GGGCAAACCT | GATGGGGCGG | GGCAGGTAGG | CAGCGTTGCA | CGTGGCCCTC |
| 30 | 82681 | AGCGCGTCCC | CGACCACCAG | GGCCAGCACG | TAAGGGACGA | ACCCCGGGTC | GGCGAGGACG |
| | 82741 | TTGGGGTGGA | TGCCCTCCAG | GGCCGGGAAG | CGGATCTTGG | TGGCCGCGGC | CAGGTGAACC |
| | 82801 | GAGGGGGCGT | GGCTAGGCGG | CCCCAGGGG | AGCAGCGCGG | ACAGCGGCGT | GGCCGGGGTG |
| | 82861 | GTGGGGGTCA | GGTCCAGTGG | GGTCTGGCCG | TACACGTCTG | GCCAGATGAG | GCCCGTCTCG |
| | 82921 | CGCAGGAGGC | TGGGCTGGCC | GGCGCTGAAG | CGGCGCTCGG | CCGTCTCAAA | CTCCCCACAG |
| 35 | 82981 | AGCGTGCGCC | GCAGGCTCGC | CAGGTGTTCC | GTCGGCACGG | CCGGGCCCAT | GATGCGCGCC |
| | 83041 | AGCGTCTGGC | TGAGGACGCC | GCCCCAGACG | CCGACCGCCT | CACAGAGCCG | CCCGTGCGTG |
| | 83101 | TGCTCGCTGG | CGCCCTGGAT | CCGCCGGAAC | GTTTTTCACG | AGCCGGCGTA | GTGCCCCGTAC |
| | 83161 | TCCCGCGCGA | GCCCGAACAC | GTTTCGCCCC | GCAAGGGCAA | TGCACCCAAA | GAGCTGCTGG |
| | 83221 | ATCTCGCTGA | GCCCGTGGCC | GGGGGGCGTC | CGCGCGGGCA | CCCCCGCCAC | CAAAAACCCC |
| 40 | 83281 | TCCAGGGCCG | ATATGTACTG | GGTGCAGTGC | GCGGGCGTGA | ACCCCGCGTC | GGTAAGCGTG |
| | 83341 | TTGATCACCA | CGGAGGGCGA | CTTGCTGTTC | TGGACCAAAG | CCCACGTCTG | CTGCAGCAGC |
| | 83401 | GCGAGGAGCC | GTTGCTGGGC | GTCGCGGAG | GGCGGCTCCC | CTAGCTGCAG | CAGGCCGGTG |
| | 83461 | ACGGCCGGAC | GGAAGATGGC | CAGCGCCGAC | GCACTCAGAA | ACGGCACGTC | GGGGTCGAAG |
| | 83521 | ACGGCCGCGT | CCGTCCGCAC | GCGCGCCATC | AGCGTCCCCG | GGGGCGCGCA | CGCCGACCGC |
| 45 | 83581 | GGGCTGACGC | GGCTTAGGGC | GGTCGACACG | CGCACCTCCT | CGCGACTGCG | AACCATTTTG |
| | 83641 | GTGGCCTCGA | GGGGCGGGAT | CATGATAGCC | GGGTGATCTT | CCCGCACCGT | GTGCTGAAAC |
| | 83701 | TGGGCCAGCA | GCGGCGGGCG | GACCACCGCG | CCCCGATCGG | GGGTGCTCAG | GATGTCGTCC |
| | 83761 | ACCAGCGCCA | GCGTAAACAG | GGCCCGCGTG | AGGGGGGTCA | GGGCGGCGTC | GTCGATGCGC |
| | 83821 | TGTAGGTGCG | CCGAGAACAG | CGTCACCCAA | TTGCTGACCA | GGGCCAAGAA | CCGGAGACCC |
| 50 | 83881 | TCTTGACAGA | TCGGGGACGG | GAAGAGCAGG | CTGTACGCCG | GGGTGGTCAG | GTTGGCGCCG |
| | 83941 | GGTTGCCCCA | GGGGAACCGG | GGACATCTTA | AGCGACATCT | CCCCGAGGGC | CTCCAGGGAG |
| | 84001 | GTCCGCGGGT | TCATGGCCAG | GCAGCTCTGG | GTGACGGTCC | GCCAGCGGTC | GATCCACTCC |
| | 84061 | ACGGCACACT | GGCGGACGCG | CACCGGCCCC | AGGGCCGCCG | TGGTGCGCAG | CCCGGCGGCC |
| | 84121 | TCCAGCGCGT | GGGTGCTGTC | GGAGCCGGTG | ATCGCCAGGA | CCGTGTCCTT | GATGACGTCC |
| 55 | 84181 | ATCTCCCGGA | AGGCCGCGCT | GGGGGTCTCG | GGGAGCGCCA | CCGCCATGCG | GTGCACCAGC |
| | 84241 | AGCCCGGGGA | GGTTCTCGGC | CAAGAGCGCC | GTCTCCGGAA | GCCCGTGGGC | CCGGTGCAAG |
| | 84301 | GCGCACAGTT | GCTCCAGGAG | CGGGTGCCAG | CACGCCCGCG | CCTCCGCCGG | GCCGACCGCC |
| | 84361 | GCGCCCGACA | ACAGAAACGC | CGCCGTGGCG | GCGTGACGTT | TGGCCGCGGA | CAGAAACGCC |
| | 84421 | GGCTCGTCCG | CGCTGCCCCG | CGGCTCGCTC | GAGGGGGAGG | GCGGCCGGCG | GAGGTTGGTC |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|-------------|------------|
| | 84481 | AGGCTCCCCA | ACAGGACCTG | CAACGGTCCG | TTTGGGGGTG | GAGCGGACGG | GGGGGTCATG |
| | 84541 | CCGGCGGGCG | CCGGGACCTG | GAGCGCGCTG | TCCGACATGG | CGACCGGCGT | GCGCGCTCGG |
| | 84601 | CGACGCGGCG | CGGAGACCGC | GGGCCCAAAC | GGGAATGACT | GCCGCCGCCG | TATACGGAGG |
| 5 | 84661 | GGCTAAGTAT | CGCCCCGGGA | CCCTTCGAAA | CCCCGGGCGT | GTCGCAAGTA | CGCCGCGAAG |
| | 84721 | GCGCGGCGTG | TTATACGGCG | CGTTATGTCC | CGGCATTCCG | TTCGTGGGTT | CGGGCCCCGG |
| | 84781 | TGCTGTCCGG | TGGGAGTGTG | TGTGGGGGGG | GGCGGCGCGA | CGGCGGCCCG | GACCAAGTGT |
| | 84841 | ATCGCGGCCG | TTCCGTGGGG | CGGCCCAACA | GGCCCTTTAA | ACATTTGCGT | ATGCACCGGC |
| | 84901 | CCAGCCAGTC | GGACACCGGA | ACCCACCAGA | GGCGGAAGCC | GCCTTCGCCG | GTGAGGGTGC |
| | 84961 | GTGTGTTTTT | TGGTGGCGTG | TTTTTCCTTT | CCGCCCTCCT | CCCTCCCCAC | CTCCACCACC |
| 10 | 85021 | CCCCCCCACA | ACTCGCCCGT | TGGCGATCGG | CGGGAAAACC | ATGAAAACCA | AGCCACTCCC |
| | 85081 | GACAGCCCCG | ATGGCGTGGG | CCGAGAGTGC | CGTGGAAAAC | ACCACCAGCC | CGCGCGAGCT |
| | 85141 | CGCGGGCCAC | GCCCCGCTCC | GGCGCGTCTT | GCGCCCCGCC | ATCGCTCGCC | GCGACGGCCC |
| | 85201 | GGTGCTTTTG | GGGGACAGGG | CCCCCAGGAG | GACGGCCAGT | ACGATGTGGC | TGCTGGGGAT |
| | 85261 | CGACCCCGCG | GAGTCGTCTC | CGGGAACGCG | CGCTACCCGA | GACGATACCG | AGCAGGCCGT |
| 15 | 85321 | GGACAAGATC | CTCAGGGGAG | CCCGGCGCGC | GGGAGGGCTG | ACCGTCCCCG | GCGCCCCCCG |
| | 85381 | CTATCACCTG | ACCCGCCAGG | TAACCCGTGAC | GGATCTCTGC | CAACCAAACG | CGGAGCCGGC |
| | 85441 | CGGGGCGCTC | CTTTTGGCCG | TGCGGCACCC | CACCGACCTC | CCCCACCTGG | CCCGCCATCG |
| | 85501 | GGCTCCGCCG | GGCCGGCAGA | CCGAGCGACT | GGCCGAGGCC | TGGGGCCAGC | TCCTGGAGGC |
| | 85561 | CTCCGCCCTG | GGGTCCGGGC | GGGCCGAGAG | CGGCTGCGCG | CGCGCGGGCC | TTGTGTCTGT |
| 20 | 85621 | TAACCTTTCTG | GTGGCCGCGT | GCGCCGCCGC | CTACGATGCG | CGCGACGCCG | CCGAGGCGGT |
| | 85681 | CCGGGCCCCAC | ATCACGACCA | ACTACGGCGG | GACGCGGGCC | GGGGCGCGGC | TGGACCGGTT |
| | 85741 | TTCCGAATGC | CTGCGCGCCA | TGGTCCACAC | GCACGTGTTT | CCCCACGAGG | TCATGCGGTT |
| | 85801 | TTTCGGGGGG | CTAGTGTCGT | GGGTCCACACA | GGACGAGCTG | GCTAGCGTCA | CCGCCGTCTG |
| | 85861 | CAGCGGACCC | CAGGAGGCCA | CACACACCGG | CCACCCGGGG | AGGCCCCGTT | CGGCCGTTAC |
| 25 | 85921 | CATCCCGGCC | TGCGCCTTCG | TGGACCTGGA | CGCCGAGCTG | TGCCTGGGGG | GCCCCCTGGG |
| | 85981 | GGCGTTCCTG | TACTTGGTCT | TCACCTACCG | ACAGTGCCCG | GACCAAGAGC | TCTGTTGCGT |
| | 86041 | GTACGTGGTC | AAGAGCCAGC | TCCCCCGCGG | CGGACTGGAG | GCGGCCCTCG | AGCGGCTGTT |
| | 86101 | CGGGCGCCTC | CGGATAACCA | ACACGATTCA | CGGGGCCGAG | GACATGACGC | CCCCTCCCCC |
| | 86161 | GAACCGAAAC | GTTGACTTTC | CGCTCGCCGT | CCCGGCCGCG | AGCTCGCAAT | CCCCGCGGTG |
| 30 | 86221 | CTCGGCGAGC | CAAGTCACGA | ACCCCCAGTT | TGTGACAGAG | CTGTACCGCT | GGCAGCCGGA |
| | 86281 | TCTGCGGGGG | CGCCCTACCG | CACGCACCTG | CACATACGCC | GCCTTCGCAG | AGCTGGGTGT |
| | 86341 | CATGCCAGAC | GACAGCCCCC | GCTGTCTGCA | CCGCACCGAG | CGGTTTGGGG | CGGTGCGCGT |
| | 86401 | TCCGTTGTGC | ATCCTGGAGG | GCGTGGTGTG | GCGCGCGGCG | GGGTGGCGGG | CCTGCGCGTG |
| | 86461 | ATCGTCTATT | GACGACGGCC | GCCCAACCCG | AGCGACCTTC | CCCTCCCACT | TCCCCCCCCC |
| 35 | 86521 | TACACACCAA | CTCCGCCCTC | GCCGTCTTGG | CCGTGCGCGG | CCCCGTGCGT | CCGTCTCAAT |
| | 86581 | AAAGCCAGGT | TAAATCCGTG | ACGTGGTGTG | TTTGGCGTGT | GTCTCTGAAA | TGGCGGAAAC |
| | 86641 | CGACATGCAA | ATGGGATTCA | TGGACATGTT | ACACCCCCCT | GAATCAGGAG | ATAGGCATAT |
| | 86701 | CCTCCTTAGA | TTGACTCAGC | ACACGATCGC | ACCCACCCCC | TGTGTGCCGG | GGATAAAAGC |
| | 86761 | CAACGCGGGC | GGTCTGGGTT | ACCACAACAG | GTGGGTGCTT | CGGGGACTTG | ACGTCGCCCA |
| 40 | 86821 | CTCTCTTGCG | AGCCCTCACG | TCTTCGCCCA | CCGATTCTCT | TTGCGTTCCT | GTGCGCCGGT |
| | 86881 | GCTGTCTGTG | CGACAGATTG | TTGGCGACTG | CCCGGGTGAT | TCGTGCGCCG | GTGCGTCTTT |
| | 86941 | TCCGTCGTAC | CGCCACCCCC | GCCTCCACAG | GGCCCCCGCG | TGTTTCCGTT | CATCGCGTCC |
| | 87001 | GAGCCACCGT | CACCTTGTTT | CCAATGGCCA | ACCGCCCTGC | CGCATCCGCC | CTCGCCGGAG |
| | 87061 | CGCGGTCTCC | GTCCGAACGA | CAGGAACCCC | GGGAGCCCCG | GGTCGCCCCCC | CCTGGCGGCG |
| 45 | 87121 | ACCACGTGTT | TTGCAGGAAA | GTCAGCGGCG | TGATGGTGCT | TTCCAGCGAT | CCCCCGGGCC |
| | 87181 | CCGCGGCCTA | CCGCATTAGC | GACAGCAGCT | TTGTTCAATG | CGGCTCCAAC | TGCAGTATGA |
| | 87241 | TAATCGACGG | AGACGTGGCG | CGCGGTCATT | TGCGTGACCT | CGAGGGCGCT | ACGTCCACCG |
| | 87301 | GCGCCTTCGT | CGCGATCTCA | AACGTGCGAG | CCGGCGGGGA | TGGCCGAACC | GCCGTCGTGG |
| | 87361 | CGCTCGGCGG | AACCTCGGGC | CCGTCCGCGA | CTACATCCGT | GGGGACCCAG | ACGTCCGGGG |
| 50 | 87421 | AGTTCTCTCA | CGGGAACCCA | AGGACCCCCG | AACCCCAAGG | ACCCCAAGCT | GTCCCCCCCC |
| | 87481 | CCCCTTTTCC | CCCCTTTTCC | TGGGGCCACG | AGTGTGCGCG | CCGTGCGCAT | GCCAGGGGCG |
| | 87541 | GCGCCGAGAA | GGACGTGCGG | GCCGCGGAGT | CATGGTCAGA | CGGCCCCGTC | TCCGACTCCG |
| | 87601 | AAACGGAGGA | CTCGGACTCC | TCGGACGAGG | ATACGGGTTC | GGAGACGCTG | TCTCGATCCT |
| | 87661 | CTTCGATCTG | GGCCGACAGG | GCGACTGACG | ACGATGACAG | CGACTCCGAC | TGCGGTCGCG |
| 55 | 87721 | ACGACTCCGT | GCAGCCCCGAC | GTTGTCTGTT | GTCGCGAGAT | GAGCGACGGC | CCCCCCCCCG |
| | 87781 | TGGCCTTTTC | CAAGCCCCGG | CGCCCCGGCG | ACTCCCCCGG | AAACCCCCGG | CTGGGCGGCC |
| | 87841 | GCACCGGGCC | GGGCTCCGCG | ACGGACCCGC | GCGCGTCGGC | CGACTCCGAT | TCCGCGGGCC |
| | 87901 | ACGCCGCGCG | ACCCACGGCG | GACGTGGCGC | CGGTCTCTGA | CAGCCAGCCC | ACTGTGGGAA |
| | 87961 | CGGACCCCGG | CTACCCAGTC | CCCCTAGAAC | TCACGCCCGA | GAACGCGGAG | GCGGTGGGCG |

| | | | | | | | |
|----|-------|-------------|------------|-------------|-------------|-------------|-------------|
| | 88021 | GGTTTCTGGG | GGACGCCGTC | GACCGCGAGC | CCGCGCTCAT | GCTGGAGTAC | TTCTGTCGGT |
| | 88081 | GCGCCCGCGA | GGAGAGCAAG | CGCGTGCCCC | CACGAACCTT | GGGCAGCGCC | CCCCGCCTCA |
| | 88141 | CGGAGGACGA | CTTTGGGCTC | CTGAAC TACG | CGCTCGCTGA | GATGCGACGC | CTGTGCCCTGG |
| 5 | 88201 | ACCTTCCCCC | GGTCCCCCCC | AACGCATACA | CGCCCTATCA | TCTGAGGGAG | TATGCGACGC |
| | 88261 | GGCTGGTTAA | CGGGTTCAAA | CCCCTGGTGC | GGCGGTCCGC | CCGCCTGTAT | CGCATCCTGG |
| | 88321 | GGGTTCTGGT | CCACCTGCGC | ATCCGTACCC | GGGAGGCCTC | CTTTGAGGAA | TGGATGCGCT |
| | 88381 | CCAAGGAGGT | GGACCTGGAC | TTCGGGCTGA | CGGAAAGGCT | TCGCGAACAC | GAGGCCACGC |
| | 88441 | TAATGATCCT | GGCCCAGGCC | CTGAACCCCT | ACGACTGTCT | GATCCACAGC | ACCCCGAACA |
| 10 | 88501 | CGCTCGTCGA | GCGGGGGCTG | CAGTCGGCGC | TGAAGTACGA | AGAGTTTTTAC | CTCAAGCGCT |
| | 88561 | TCGGCGGGCA | CTACATGGAG | TCCGTCTTCC | AGATGTACAC | CCGCATCGCC | GGGTTTCTGG |
| | 88621 | CGTGCCGGGC | GACCCGCGGC | ATGCGCCACA | TCGCCCTGGG | GCGACAGGGG | TCGTGGTGGG |
| | 88681 | AAATGTTCAA | GTTCTTTTTC | CACCGCCTCT | ACGACCACCA | GATCGTGCCG | TCCACCCCCG |
| | 88741 | CCATGCTGAA | CCTCGGAACC | CGCAACTACT | ACACGTCCAG | CTGCTACCTG | GTAAACCCCC |
| 15 | 88801 | AGGCCACCAC | TAACCAGGCC | ACCTTCCGGG | CCATCACCGG | CAACGTGAGC | GCCATCCTCG |
| | 88861 | CCCGCAACGG | GGGCATCGGG | CTGTGCATGC | AGGCGTTCAA | CGACGCCAGC | CCCGGCACCG |
| | 88921 | CCAGCATCAT | GCCGGCCCTG | AAGGTCCCTG | ACTCCCTGGT | GGCGGCGCAC | AACAAACAGA |
| | 88981 | GCACGCGCCC | CACCGGGGCG | TGCGTGTACC | TGGAACCCTG | GCACAGCGAC | GTTTCGGGCG |
| | 89041 | TGCTCAGAAT | GAAGGGCGTC | CTCGCCGGCG | AGGAGGCCCA | GCGCTGCGAC | AACATCTTCA |
| 20 | 89101 | GCGCCCTCTG | GATGCCGGAC | CTGTTCTTCA | AGCGCCTGAT | CCGCCACCTC | GACGGCGAGA |
| | 89161 | AAAACGTCAC | CTGGTCCCTG | TTCGACCGGG | ACACCAGCAT | GTCGCTCGCC | GACTTTTCACG |
| | 89221 | GCGAGGAGTT | CGAGAAGCTG | TACGAGCACC | TCGAGGCCAT | GGGGTTTCGGC | GAAACGATCC |
| | 89281 | CCATCCAGGA | CCTGGCGTAC | GCCATCGTGC | GCAGCGCGGC | CACCACCGGA | AGCCCCTTTCA |
| | 89341 | TCATGTTTAA | GGACGCGGTA | AACCGCCACT | ACATCTACGA | CACGCAAGGG | GCGGCCATCG |
| | 89401 | CCGGCTCCAA | CCTCTGCACC | GAGATCGTCC | ACCCGGCCTC | CAAGCGATCC | AGTGGGGTCT |
| 25 | 89461 | GCAACCTGGG | AAGCGTGAAT | CTGGCCCCGAT | CGCTCTCCAG | GCAGACGTTT | GACTTTGGGC |
| | 89521 | GGCTCCGCGA | CGCCGTGCAG | GCGTGCCTGC | TGATGGTGAA | CATCATGATC | GACGACGCG |
| | 89581 | TACAACCCAC | GCCCCAGTGC | ACCCGCGGCA | ACGACAACCT | GCGGTCCATG | GGCATTTGGCA |
| | 89641 | TGCAGGGCCT | GCACACGGCG | TGCCCTAAGA | TGGGCCTGGA | TCTGGAGTCG | GCCGAGTTCC |
| | 89701 | GGGACCTGAA | CACACACATC | GCCGAGGTGA | TGCTGCTCGC | GGCCATGAAG | ACCAGTAACG |
| 30 | 89761 | CGCTGTGCGT | TCGCGGGGCG | CGTCCCTTCA | GCCACTTTAA | GCGCAGCATG | TACCGGGCCG |
| | 89821 | GCCGCTTTTCA | CTGGGAGCGC | TTTTCGAACG | CCAGCCC GCG | GTACGAGGGC | GAGTGGGAGA |
| | 89881 | TGCTACGCCA | GAGCATGATG | AAACACGGCC | TGCGCAACAG | CCAGTTTCATC | GCGCTCATGC |
| | 89941 | CCACCGCCGC | CTCGGCCAG | ATCTCGGACG | TCAGCGAGGG | CTTTGCCCCC | CTGTTTACCA |
| 35 | 90001 | ACCTGTTTCA | CAAGGTGACC | AGGGACGGCG | AGACGCTGCG | CCCCAACACG | CTCTTGCTGA |
| | 90061 | AGGAACTCGA | GCGCACGTTT | GGCGGGAAGC | GGCTCCTGGA | CGCGATGGAC | GGGCTCGAGG |
| | 90121 | CCAAGCAGTG | GTCTGTGGCC | CAGGCCCTGC | CTTGCTGGA | CCCCGCCAC | CCCCCTCCGGC |
| | 90181 | GGTTCAAGAC | GGCCTTCGAC | TACGACCAGG | AACTGCTGAT | CGACCTGTGT | GCAGACCGCG |
| | 90241 | CCCCCTATGT | TGATCACAGC | CAATCCATGA | CTCTGTATGT | CACAGAGAAG | GCGGACGGGA |
| 40 | 90301 | CGTCCCCGCG | CTCCACCCTG | GTCCGCCTTC | TCGTCCACGC | ATATAAGCGC | GGCCTGAAGA |
| | 90361 | CGGGGATGTA | CTACTGCAAG | GTTCGCAAGG | CGACCAACAG | CGGGGTGTTT | GCCGGCGACG |
| | 90421 | ACAACATCGT | CTGCACAAGC | TGCGCGCTGT | AAGCAACAGC | GCTCCGATCG | GGGTGAGGCG |
| | 90481 | TCGCTCTCGG | TCCCGCATAT | CGCCATGGAT | CCCCCGGTCT | CCCCCGCGAG | CACCGACCCC |
| | 90541 | CTAGATACCC | ACGCGTCGGG | GGCCGGGGCG | GCCCCGATTG | CGGTGTGCCC | CACCCCCGAG |
| 45 | 90601 | CGGTACTTCT | ACACCTCCCA | GTGCCCGGAC | ATCAACCACC | TTGCTTCCCT | CAGCATCCTG |
| | 90661 | AACCGCTGGC | TGGAGACCGA | GCTCGTGTTC | GTGGGGGACG | AGGAGGACGT | CTCCAAGCTC |
| | 90721 | TCCGAGGGCG | AGCTCGGCTT | CTACCGCTTT | CTGTTTGCCT | TCCTGTGCGC | CGCGGACGAC |
| | 90781 | CTGGTGACGG | AAAACCTGGG | CGGCCTCTCC | GGCCTCTTCG | AACAGAAGGA | CATTCTTCAC |
| | 90841 | TACTACGTGG | AGCAGGAATG | CATCGAGGTC | GTCCACTCGC | GCGTCTACAA | CATCATCCAG |
| 50 | 90901 | CTGGTGTCTT | TTTACAACAA | CGACCAGGCG | CGCCGCGCCT | ATGTGGCCCCG | CACCATCAAC |
| | 90961 | CACCCGGCCA | TTTCGCGTCA | GGTGGACTGG | CTGGAGGCGC | GGGTGCGGGA | ATGCGACTCG |
| | 91021 | ATCCCGGAGA | AGTTATCCTT | CATGATCCTC | ATCGAGGGCG | TCTTTTGTGC | CGCTCGTTTC |
| | 91081 | GCCGCCATCG | CGTACCTGCG | CACCAACAAC | CTCCTGCGGG | TCACCTGCCA | GTCAACGAC |
| | 91141 | CTCATCAGCC | GCGACGAGGC | CGTGCATACG | ACAGCCTCGT | GCTACATCTA | CAACAAC TAC |
| | 91201 | CTCGGGGGCC | ACGCCAAGCC | CGAGGCGGCG | CGCGTGTACC | GGCTGTTTCG | GGAGGCGGTG |
| 55 | 91261 | GATATCGAGA | TCGGGTTCAT | CCGATCCCAG | GCCCCGACGG | ACAGCTCTAT | CCTGAGTCCG |
| | 91321 | GGGGCCCTGG | CGGCCATCGA | GAAC TACGTG | CGATT CAGCG | CGGATCGCCT | GCTGGGCCTG |
| | 91381 | ATCCATATGC | AGCCCCTGTA | TTCCGCCCCC | GCCCCGACG | CCAGCTTTCC | CCTCAGCCTC |
| | 91441 | ATGTCCACCG | ACAAACACAC | CAACTTCTTC | GAGTGCCGCA | GCACCTCGTA | CGCCGGGGCC |
| | 91501 | GTCGTCAACG | ATCTGTGAGG | GTCTGGGCGC | CCTTG TAGCG | ATGTCTAACC | GAAATAAAGG |

| | | | | | | | |
|----|-------|------------|------------|------------|------------|-------------|-------------|
| | 91561 | GGTCGAAACG | GACTGTTGGG | TCTCCGGTGT | GATTATTACG | CAGGGGAGGG | GGGTGGCGGC |
| | 91621 | TGGGGAAAGG | GAAGGAACGC | CCGAAACCAG | AGAAAAGGAC | CAAAAGGGAA | ACGCGTCCAA |
| | 91681 | CCGATAAATC | AAGCGCCGAC | CAGAACCCCG | AGATGCATAA | TAACGATTTT | ATTACTCTTA |
| 5 | 91741 | TTATTAACAG | GTCGGGCATC | GGGAGGGGAT | GGGGGCGCGC | GTTTCCTCCG | TTCCGGCTAC |
| | 91801 | TCGTCCCAGA | ATTTAGCCAG | GACGTCCTTG | TAAAACGCGG | GCGGGGGCGC | GTGGGCCCAC |
| | 91861 | AGCTGCGCCA | GAAACCGGTC | GGCGATGTCC | GGGGCGGTGA | TATGCCGAGT | CACGATGGAG |
| | 91921 | CGCGCTAAAT | CTTCGTCGCG | GAGGTCCTGA | TAGATGGGCA | GTCTTTTITAG | AAGAGTCCAG |
| | 91981 | GGTCCCCGCT | CCTTGGGGCT | GATAAGCGAT | ATGACGTACT | TGACGTATCT | GTGCTCCACC |
| 10 | 92041 | AGCTCGGCGA | TGGTCATCGG | ATCGGGCAGC | CAGTCCAGGG | CCTCCGGGGC | GTGCTGGATG |
| | 92101 | ACGTGGCGGC | GACGTCCGGC | GACATAGCCG | CGGTGTTCCG | CGACCCGCTG | CGCGTTGGGG |
| | 92161 | ACCTGCACGA | GCTCGGGCGG | GGTGAGTATC | TCCGAGGAGG | ACGACCGGGC | GCCGTCGCGC |
| | 92221 | GGCCCACCGG | CGACGTCCGG | GGGCTGGAGG | GGGGGGTCTT | CTTCGTAAGT | GTCTTCGCCC |
| | 92281 | GCGATCTGTT | GGGCCAGAAT | TTCGGTCCAC | GAGATGCGCG | TCTCGAGGCC | GACCGGGGCC |
| | 92341 | GCGGTGAGCG | TAGGCATGCT | CTCCAGGGAG | CGCGAGTTGG | CGCGCTCCCC | CCGGGCGCCG |
| 15 | 92401 | CGGCGGGCCT | GGGATCGGCT | CGGGGCGGTC | CAGTGACACT | CGCGCAGCAC | GTCTTCGACG |
| | 92461 | GACGCGTAGG | TGTTATTGGG | GTGCAGGTCT | GTGTGGCAGC | GGACGAACAG | CGCCAGGAAC |
| | 92521 | TGCGGGTAAC | TCATCTTGAA | GTACTGCAGC | AGGTCGCGGC | AGTGAATCGT | CGGAATGTAG |
| | 92581 | CCGGTGCTGA | TGTCCAACAC | GATATCGCAG | CCCATCAGCA | GGAGATCGGT | ATCCGTGGTA |
| 20 | 92641 | TGCACGTACG | CGACCGTGT | GGTATGATAG | AGGTTCGCGC | AGGCGTCGTC | GGCCTCCAGC |
| | 92701 | TGACCCGAGT | TGATGTAGGC | GTACCCGAGC | GCCCGCAGAA | CGCGGATACA | GAACAGGTGA |
| | 92761 | GCCAGGCGCA | GGGCCGGCTT | CGAGGGCGCG | CCCGAGGGGG | CCGCCGGGCC | TGGGCCGGCG |
| | 92821 | GCCCGCGTTC | CCCGGTCCCC | CGGGGCGAAG | GCGTGCCCGC | GGCGGCGCAT | GTTGGAAAAG |
| | 92881 | GCGAAACTGG | GCCTGGAGTC | GGTGTGGGGG | GAAGGCGGGC | GCGAGGCGTC | TACGTCACTG |
| | 92941 | GCCTCCTCGT | CCGTGCGGCA | CTGGGCCGTC | GTGCGGGCCA | GGATCGCCTT | GGCCCCGAAC |
| 25 | 93001 | ACAACCGGCT | CGGTACACTC | GACCCCGCGA | TCGGTCACGA | AGATGGGGAA | CAGGGACTTT |
| | 93061 | TGGGTAAACA | CCCGTAACAT | ACTACAGAGA | CAGTGTAGCG | TGATTGCCTC | GCGGTGCTAA |
| | 93121 | CTTGGGTAGC | GGCGCTGATA | TTTAACCACC | AGGGTATACA | TGACATTCCA | CAGGTCCACG |
| | 93181 | GCGATGGGGG | TAAAGTAGCC | CTCCGGGGCC | CGGAGGCCCC | GGCGCTTCAC | CAGATGGTGA |
| 30 | 93241 | GTCTGGGCAA | ACTTCATCAT | GCCAAACAGA | CCCATTCGCG | CACGATTGTA | GGTGC GGATA |
| | 93301 | GGTCTCTCTA | CAGAGCTGTA | TAGGTGTGAC | GGTCCGGGAC | ACCCAAGCCC | GCCGCCCTTG |
| | 93361 | TGTACAGTGG | CTGCGGCGAC | GACCCCGCTC | CAACAAGACG | CTATCCCGGG | AAAGGCACGC |
| | 93421 | TCTTTATAAT | TCTTTTTTAT | TTCCCATCTA | CGTGCGGATT | GGTGCAACCG | CCGGCGCGCG |
| | 93481 | CCGGTGCAGG | CCGACCATCT | CTCTCTTCCC | CCCCCTCCCC | TCCCGCGAGC | CTCAAAGAG |
| 35 | 93541 | GGTGTGGCCT | AACTAGCGGA | AGGCGTATTT | AACCAGACTA | GGGCGGCGGG | TCCGCCGTAG |
| | 93601 | TCCTTGCGTC | GGGTAGCCAC | TGCTCTGTGG | CTCGGGTCCC | CCGGCCCCCC | TAACCCCCAT |
| | 93661 | CCGGTCCGCG | TCATCCGCCC | CCTCCGCTTG | CGACACAAAC | GGCCGCGCCT | CCGGGCCCCG |
| | 93721 | TGACACGACG | CGCCTCGTCT | CTGCGGATTG | TCCCGGGAGC | GTGCGGGCAT | GGTTCATCTT |
| | 93781 | CCCGGCGGTG | CGGCCGCCGC | CCCCCTTTCG | GAGGACGCGA | TCCCGTCGCC | GCGCGAGCGG |
| 40 | 93841 | ACGGAAGACT | GGCCGCCCTG | CCAGATAGTG | CTGCAGGGCG | CCGAGCTGAA | CGGGATCCTG |
| | 93901 | CAGGCCCTTG | CGCCGCTTCG | CACGAGCCTT | TTGGACTCGC | TCCTGGTCTG | GGGCGACCGA |
| | 93961 | GGCATCCTTG | TACATAACGC | GATTTTTCGG | GAGCAGGTGT | TTCTGCCCTT | CGACCATTCG |
| | 94021 | CAGTTCAGTC | GCTATCGATG | GGGCGGACCC | ACCGCGGCGT | TCCTGTCTCT | CTGTGACACG |
| | 94081 | AAGCGATCCC | TGCTGAGCGT | GTTTTCGCGC | AACCAGTACC | CTGACCTGCG | GCGGGTGGAG |
| 45 | 94141 | CTGACGGTCA | CGGGCCAGGC | CCCGTTTCGC | ACGCTGGTGC | AGCGCATATG | GACGACCGCG |
| | 94201 | TCCGACGGAG | AGGCCGTGGA | GCTTGCCAGC | GAGACGCTCA | TGAAACGCGA | GTTGACGAGC |
| | 94261 | TTCGCGGTAC | TACTCCCCCA | GGGCGACCCC | GACGTCCAGC | TGCGCCTCAC | GAAGCCCCAG |
| | 94321 | CTCACGAAGG | TGGTGAACGC | CGTCGGGGAC | GAGACCGCCA | AACCCACCAC | GTTTCGAGCTC |
| | 94381 | GGCCCCAACG | GCAAGTTTTC | CGTGTTTAAC | GCGCGCACCT | GCGTCACCTT | TGCCGCCCCG |
| | 94441 | GAGGAGGGCG | CGTCGTCCAG | CACCAGCGCC | CAGGTCCAGA | TTCTGACCAG | CGCGCTGAAG |
| 50 | 94501 | AAGGCGGGCC | AAGCGGCCGC | CAACGCCAAG | ACGGTCTACG | GGGAAAACAC | ACACCGCACA |
| | 94561 | TTCTCGGTGG | TCGTGAGTGG | CTGACGATG | CGGGCGGTCC | TCCGGCGGCT | CCAGGTTCGGC |
| | 94621 | GGGGGGACCC | TCAAGTTCTT | CCTCACGGCC | GACGTCCCCA | GCGTGTGTGT | CACCGCCACC |
| | 94681 | GGCCCCAACG | CGGTGTCCGC | GGTGTTTCTT | TTAAACCCCC | AGCGGGTCTG | CCTGAAGTGG |
| | 94741 | CTCGGCCGGA | GCCCCGGTTC | CTCGACCGGG | AGCTTGGCGT | CCCAGGACTC | TCGGGCCGGC |
| 55 | 94801 | CCGACCGACA | GCCAGGACTC | CTCCTCCGAG | CCGGACGCGG | GCGACCGCGG | CGCCCCAGAA |
| | 94861 | GAAGAAGGCC | TCGAGGGCCA | GGCCCCGGTA | CCGCCCGCGT | TCCCGGAACC | GCCGGGAACC |
| | 94921 | AAGCGGAGGC | ACCCCGGGGC | CGAAGTTGTC | CCCGCGGACG | ACGCCACCAA | GCGCCCGAAG |
| | 94981 | ACGGGCGTGC | CCGCCGCCCC | CACGCGAGCC | GAGTCGCCCC | CCCTCTCCCG | GAGATACGGA |
| | 95041 | CCCGAGGCGG | CGGAGGGTGG | TGGGGACGGC | GGCCGCTACG | CGTGCTACTT | TCGCGACCTC |

| | | | | | | | |
|----|-------|-------------|-------------|------------|-------------|------------|-------------|
| | 95101 | CAGACCGGCG | ACGCGAGCCC | CAGCCCCCTC | TCCGCCTTCC | GGGGTCCCCA | AAGACCCCA |
| | 95161 | TACGGCTTTG | GGTTGCCCTG | ACGGCAACGG | GTGGTGGCCG | AACGCCTCAC | CGCGCCCGGG |
| | 95221 | CACGCGGGGT | GCGTTGTGTT | AAAAAATAAA | ATAAATGGGG | TAGTGTGTCC | CCCCCCCCTC |
| 5 | 95281 | CAACCAATAT | GGCTGTCGTG | TGTGGTTCGG | GGTTGCGCCT | CCGTCCTTTC | CACCCCCCTT |
| | 95341 | CCCCCTCCTT | TTTTGTTTTG | CGTGCGCTTA | TAAGAGCGGG | CCCGGGGCC | TTGCGAGCTT |
| | 95401 | CACCGAGAGC | GCCGTCGGGC | CCCGGGTGCG | GGATGTGTCTG | GGGGACAGC | CCCGGGGTCG |
| | 95461 | CGGGCGGGAG | CGGCGAACAC | TGCCTCGGAG | GGGATGATGG | GGACGACGGG | CGCCCCCGCC |
| | 95521 | TCGCCTGCGT | GGGTGCCATC | GCTCGGGGGT | TCGCGCATCT | CTGGCTCCAG | GCCGCCACGC |
| | 95581 | TGGGCTTTCG | GGGGTCTGTC | GTTCTGTCTG | GCGGCCCGTA | TGCGGACGCC | ATGTCGGGGG |
| 10 | 95641 | CGTTCGTGAT | CGGGAGCACC | GGCCTGGGGT | TCCTCCGCGC | CCCCCCCCG | TTGCCCCGCG |
| | 95701 | CGCCGACGCG | TGTGTGCGCG | TGGCTGAGGC | TGGTCGGCGG | GGGAGCGGCC | GTGGCCCCGT |
| | 95761 | GGAGCCTCGG | GGAGGCCGGC | GCGCCTCCGG | GGGTTCGGGG | CCCGGCGACC | CAGTGCCCTG |
| | 95821 | CGCTCGGGGC | CGCCTACGCG | GCGCTGCTGG | TGCTGGCCGA | CGACGTCCAT | CCCCTTTTTC |
| | 95881 | TCCTCGCCCC | GCGGCCCTTG | TTTGTCTGGC | CCCTGGGGGT | TGTCGTCTGG | GGGCTGACGA |
| 15 | 95941 | TAGGCGGCAG | TGCGCGCTAC | TGGTGGATCG | ACCCCCGCGC | CGCCGCGGCC | CTGACGCGCG |
| | 96001 | CGGTGGTGCG | GGGCTTCGGG | ACAACCGCCG | CCGGGGACAG | CTTTTCCAAG | GCCTGTCCCC |
| | 96061 | GCCACCGCCG | CTTTTGCCTC | GTCTCCGCGG | TCGAGTCTCC | CCCGCCCCGA | TACGCCCGCG |
| | 96121 | AGGACGCCGA | GCGGCCAACA | GACCACGGAC | CCCTGTTACC | GTCGACGCAC | CACCAGCGAT |
| | 96181 | CTCCGCGGGT | CTGCGGCGAC | GGGGCCGCAC | GGCCCGAAAA | CATCTGGGTT | CCCGTGGTGA |
| 20 | 96241 | CCTTTGCGGG | CGCGCTCGCG | CTGGCCGCGT | GCGCCGCGCG | AGGGTCTGAC | GCGGCTCCGT |
| | 96301 | CAGGCCCCGT | CCTGCCGCTG | TGGCCCCAGG | TGTTTGTCTG | GGGCCACGCG | GCGGCGGCGC |
| | 96361 | TGACGGAGCT | GTGTCAGACC | CTCGCGCCCC | GGGACCTCAC | GGACCCGCTG | CTGTTTCTGT |
| | 96421 | ACGTCGGATT | CCAGGTCGTG | AACCACGGGC | TGATGTTTGT | GGTCCCCGAC | ATCGCCGTAT |
| | 96481 | ACGCTGATGCT | GGGGGGCGCC | GTGTGGATCT | CGCTGACGCA | GGTGGCTTGG | CTCCGGCGCC |
| 25 | 96541 | GCCCTTACAA | GGACCCAGAC | GCCGGGCCCT | GGGCGGCCCG | GACCTTGC | GGCCTCTTTT |
| | 96601 | TCTCCGTCTA | CGCATTGGGG | TTTGC | GGGTGCTGGT | GCGGCCGCGG | ATGGCGCGGA |
| | 96661 | GCCGGCGGTC | GGGGTGATCG | CCATTTCAAA | TAAAAGGCAC | GAGTTCCCCG | AATACCAACG |
| | 96721 | GCGTGTGATG | ATTTCGCCCT | ACCGCTCCGA | TCCCCGGGGG | GAGGGGGGAA | GGAAATGCGG |
| | 96781 | GCGGGGGTGC | CGTGGACGGG | TATAAAGGCC | AGGGGGGCGAG | GCGGGCCCAT | CACTGTTAGG |
| 30 | 96841 | GTGTTAGGTT | GGGAGGTGGC | ACAAAAGCG | ACACTCCCCT | GTTGTAGTTG | TCCGCGCGAG |
| | 96901 | GCGGTGGTTT | CCGGCAACCC | TCCTCGCTGC | GCCGGGCGCG | CCCACCGGTC | CTTCGCGGGG |
| | 96961 | GCCGGGGCTC | TTCTGGTTCAT | GGCCCTTGGA | CGGGTGGGCC | TAGCCGTGGG | CCTGTGGGCG |
| | 97021 | CTGCTGTGGG | TGGGTGTGGT | CGTGGTGTCT | GCCAATGCCT | CCCCCGGACG | CACGATAACG |
| 35 | 97081 | TGGGGCCCCG | GGGGGAACGC | GAGCAATGCC | GCCCCCTCCG | CGTCCCCGCG | GAACGCAATCC |
| | 97141 | GCCCCCCGAA | CCACACCCAC | GCCCCCCCAA | CCCCGCAAGG | CGACGAAAAG | TAAGGCCATCC |
| | 97201 | ACCGCCAAAC | CGGCCCCGCC | CCCCAAGACC | GGGCCCCCGA | AGACATCCTC | GGAGCCCCTG |
| | 97261 | CGATGCAACC | GCCACGACCC | GCTGGCCCGG | TACGGCTCGC | GGGTGCAAAT | CCGATGCGCG |
| | 97321 | TTTCCCAACT | CCACCCGCAC | GGAGTTCCGC | CTCCAGATCT | GGCGTTATGC | CACGGCGACG |
| | 97381 | GACGCCGAGA | TCGGAACGGC | GCCTAGCTTA | GAGGAGGTGA | TGGTAAACGT | GTGCGCCCGG |
| 40 | 97441 | CCCGGGGGCC | AAC TGGTGTG | TGACAGCGCC | CCCAACCGAA | CGGACCCGCA | CGTGATCTGG |
| | 97501 | GCGGAGGGCG | CCGGCCCCGG | CGCCAGCCCC | CGGCTGTACT | CGGTCTGTCT | GCTCTGTGGT |
| | 97561 | CGGCAGCGGC | TCATCATCGA | AGAGCTGACC | CTGGAGACCC | AGGGCATGTA | CTACTGGGTG |
| | 97621 | TGGGGCCCGA | CGGACCGCCC | GTCCGCGTAC | GGGACCTGGG | TGCGCGTTCT | CGTGTTCGCG |
| 45 | 97681 | CCTCCGTCGC | TGACCATCCA | CCCCCACGCG | GTGCTGGAGG | GCCAGCCGTT | TAAGGCGACG |
| | 97741 | TGCACGGCCG | CCACCTACTA | CCCGGGCAAC | CGCGCGGAGT | TCGTCTGGTT | CGAGGACGGT |
| | 97801 | CGCCGGGTGT | TCGATCCGGC | CCAGATACAC | ACGCAGACGC | AGGAGAACCC | CGACGGCTTT |
| | 97861 | TCCACCGTCT | CCACCGTGAC | CTCCGCGGCC | GTGCGCGGCC | AGGGCCCCCC | GCGCACCCTT |
| | 97921 | ACCTGCCAGC | TGACGTGGCA | CCGCGACTCC | GTGTCGTTCT | CTCGGCGCAA | CGCCAGCGGC |
| | 97981 | ACGGCATCGG | TGCTGCCGCG | GCCAACCATC | ACCATGGAGT | TTACGGGCGA | CCATGCGGTC |
| 50 | 98041 | TGCACGGCCG | GCTGTGTGCG | CGAGGGGGTG | ACGTTTGCCT | GGTTCCTGGG | GGACGACCTC |
| | 98101 | TCGCCGGCGG | AGAAGGTGGC | CGTCGCGTCC | CAGACATCGT | GCGGGCGCCC | CGGCACCCTC |
| | 98161 | ACGATCCGCT | CCACCTTGCC | GGTCTCGTAC | GAGCAGACCG | AGTACATCTG | CCGGCTGCGC |
| | 98221 | GGATACCCGG | ACGGAATTCC | GGTCTTAGAG | CACCACGGCA | GCCACCAGCC | CCCGCCGCGG |
| | 98281 | GACCCACCGG | AGCGGCAGGT | GATCCGGGCG | GTGGAGGGGG | CGGGGATCGG | AGTGGCTGTC |
| 55 | 98341 | CTTGTCTCGG | TGGTTCTGGC | CGGGACCGCG | GTAGTGTACC | TCACCCACGC | CTCCTCGGTG |
| | 98401 | CGCTATCGTC | GGCTGCGGTA | ACTCCGGGGC | CGGGCCCCGG | CGCCGGTTGT | CTTCTTTTTC |
| | 98461 | ACCCCTTCCG | TCCCCCGTAC | CCACCACACC | CCACCCACCC | CCCCCGCCGT | CCCCCGGCGC |
| | 98521 | TTATAAGCCG | CCGCACTCGC | TTTTCCCACC | GGAAAATCCT | CGGCCCGATC | CGAACGCGCG |
| | 98581 | ACGCCGCGTG | GGCTCCAAAC | GCCTCCGGAA | GAGAGCGCCC | CGCCCCGATA | TTCAAGCCCGG |

| | | | | | | | |
|----|--------|-------------|------------|-------------|------------|-------------|------------|
| | 98641 | CGGTGGTGCT | ATGGCTTTCC | GTGCTTCGGG | ACCCGCCTAC | CAGCCCCTCG | CCCCCGCGGC |
| | 98701 | CTCCCCGGCG | CGGGCTCGTG | TTCCGGCCGT | GGCCTGGATC | GGCGTCGGAG | CGATCGTCGG |
| | 98761 | GGCCTTTGCG | CTCGTCGCCG | CGTTGGTTCT | CGTACCCCTT | CGGTCTCTCGT | GGGGACTCTC |
| 5 | 98821 | GCCGTGCGAC | AGCGGCTGGC | AGGAATTCAA | CGCGGGATGC | GTGCGGTGGG | ACCCACCCCC |
| | 98881 | CGTCGAGCAC | GAGCAGGCGG | TCGGCGGCTG | CAGCGCGCCG | GCCACCCTTA | TCCCCCGTGC |
| | 98941 | GGCCGCCAAG | CACCTGGCCG | CTCTGACACG | CGTCCAGGCG | GAGAGATCGT | CGGGTTACTG |
| | 99001 | GTGGGTGAAC | GGAGACGGCA | TCCGGACCTG | TCTGAGACTC | GTGACAGCG | TCAGTGGCAT |
| | 99061 | CGACGAGTTT | TTCGAGGAGC | TCGCGATCCG | CATATGCTAC | TACCCACGAA | GCCCCGGCGG |
| | 99121 | GTTTGTCCGC | TTCGTAACCT | CGATACGTAA | CGCCCTGGGG | TTGCCGTGAG | GCGCGCGTCC |
| 10 | 99181 | GACGGTCCCG | CTTCTCGCCT | CTCTTCTTCC | CCCACCCAC | CCACCGACCA | ACGACGGCGT |
| | 99241 | TTGGCCAATA | CCCTCCTTTT | TTCTTTTCTT | CTTCCCCCCC | CCCCAAAAAA | AACAATAAAC |
| | 99301 | AGCTAATTGC | GTACGACAAA | CCATGCGGAA | CTCGCTGTTT | TTTTTCTCTG | TTTGTTACTT |
| | 99361 | TTTATTGAAA | CAGACATACG | GGGAAAGGGG | CCGAAAACCG | AGACGGTGGG | GCCGGCGGTC |
| | 99421 | GCATTTTTTT | AATGGCTCTG | GTGTTCGGCCG | CGTTTGAGCT | TCGTCAACAG | GGCGCTGAGG |
| 15 | 99481 | GCGGCGACGT | TCGTGGGGCC | GTCTGTGGCC | AGCGCGTTGG | TCCGGGGGCG | GCCGGGCATG |
| | 99541 | GGCGACAGGC | TTAGTCCCGG | GTCCGGGGCG | CGTGTGGCCC | GCCGAGGGGA | GAAGAGGGCA |
| | 99601 | GACCCGCCCC | AGTCGTACAG | GGGATTTTCC | GCCTCGATGT | ACGGGGAGTC | CGGGGCGTCT |
| | 99661 | CCCGGCAGGG | CGGCCCCGCC | GGCAAGACGC | CGGCGAGGGC | AGATGTTTTT | GTATACCCGA |
| | 99721 | ACCCAGGGGA | TCTCCTCGTA | GACGCGCCCC | CCATCCTCGC | CCACCGACTC | GTAAATGGAA |
| 20 | 99781 | TCTGCGTCCT | CGGAGGGGGC | GCGGGGGGCG | TGGCTTTTCG | CCGGCCAGGC | GGCGGCGGCG |
| | 99841 | GTGGTGTTCG | CGGCGGGGGT | GGCGCCAAGC | CCGACGCCCG | CGGGCATGGC | GGCGTCATCG |
| | 99901 | TCGGGCAGCA | GATACGTGTT | TTCCATCTGG | TCCGGTTTCG | CCTCCGCGTC | CGCCCCCAG |
| | 99961 | GTCCGCACCG | CGTCGTAGAC | CCCGGCGGCC | TCGCGCTGAG | CCGCGAGCGG | GCGCGCCGCG |
| | 100021 | GCTGCCGGCC | GCTGCTCGGG | GGCGCGGGGG | TTGCGGGGCG | GGAGGCGCGG | GGCGGCCCCG |
| 25 | 100081 | GCCATATGCG | TGTAATACGT | GGCCGCGCGG | CCGGCGCAGG | GCTCGGGACC | CCGTCGGGCC |
| | 100141 | GCGTCGACGT | GCGGGGGCTC | GGGGAGGTCC | TCGCGGTGGC | GCCTGCACCT | CCGAGGGGCC |
| | 100201 | GCGGGGGTCG | AGTGGGGGCG | AGCCCGGGGG | AGCGGCGGGG | GTGCGTTGTC | GCGCCGGGTC |
| | 100261 | CGTTGTATCT | TGTCCCGGCA | GCTCCCGCCG | ACCGCGCCGC | GGCCCCCGCG | TGGGCCGGAC |
| | 100321 | GCCGCGAGGC | GCAGGATGGA | CTCGTAGTGG | GGCGACGGGG | TTCCGCTCCG | AAGCAGGTCC |
| 30 | 100381 | GGGGCCAGGG | CGGCCCCGAA | CCAGGACTTG | ATGCTGAGTT | CCATCCGGGC | CCAGCTCGGG |
| | 100441 | GCGGTCATCG | TGGGGAACAG | GGGGGCGGCG | GTCCTGCAGA | AGCGCTCCTG | GCTGTCCACC |
| | 100501 | GCCGCCGTAA | GGTACTCGTT | GTTCAGGCTG | TCGGAGGCC | AGACGACATA | CCCGGTAAAG |
| | 100561 | GTCGCGTTAA | TTATATACCT | GGCGTGGTGG | TGGACTATGG | ATAGAACCTC | GACGCTCGAG |
| | 100621 | ACGATGGCGT | CCACGATCCC | GTACGTGCCG | CCGCTGCGCT | TGCCGGTCTC | CCACAGGTGG |
| 35 | 100681 | GCCAGGCGCG | TCAGGTGGCC | CAGGACGTCC | CTGACCGCCG | CCCGCAGGGC | CATGCACTGC |
| | 100741 | ATCGAGCCCG | TGGTGCCGCT | GGGCCCCGCG | TCCAGGTGGC | GCGCAAACGT | CTCCGCGGGC |
| | 100801 | GCCTCCAGAC | TCCCGCTGAG | CGCCACGAAC | CGGCGATCGG | CGGGGCCCAG | GCGGCGACAC |
| | 100861 | ACGTACTTGT | CCGCCGTCCA | CAGCATCCAC | GAGGCCCAAT | GGTACAACAC | GGAGACGTAG |
| | 100921 | GCCAGGAGCT | CGCTCAGCCG | CAGTGCGGTG | TCCGTGCTCG | GCCGGCTCGG | GTCTGCGGGG |
| 40 | 100981 | CGCATAAAGA | ACATGTACTG | CTGGAGCCTG | TGGGCCGCGT | CGCGCAACCC | CGCCACCGCG |
| | 101041 | GCGGCGTACT | TGGCCCGCGG | GGCCCCGCTC | TTGAACGGGG | CGCGCACCAG | CAGCTTCGGG |
| | 101101 | AGCAGGTTGG | GCCGACGACG | CACGTGGTGG | CTGGGGTTCG | AGTCCGCCGC | CGGGTCTGCG |
| | 101161 | GGGATGTCCA | GGCCGCTGGG | CACGACCGTC | TGGAGGTACT | TCCAGTACTG | CGCTAGGATG |
| | 101221 | GCGCGGCTCA | GCTGGCCGCC | CGACAGCTCC | ACCTCGCCGA | GCGCCTGCTT | GGCGGCCGAC |
| 45 | 101281 | GCGTAGTGCC | GGATGTAGTC | GTAGTGCGGG | TCGCTGGCGA | GCCCGTCTAC | GATCAGGCTC |
| | 101341 | TCGGGGACGG | TGTTATGGTG | CCGCGCCGCC | AGCCGGACGC | TGCGATCGGC | GCCGGTCAGA |
| | 101401 | AACGCCGGCT | GCAGGTCGTC | GGCGCGCTGC | CGCAGGACGC | CCACGGCCGC | GCTGAGGAGC |
| | 101461 | CCCTCCGGGG | TGGGGAGCAG | ACACCCGGCG | AAGATGCGCC | GCTCGGGGAC | GCCCGCGTTG |
| | 101521 | GCGCCCGCGA | TGAGGTTGGC | CGGCGTCAGG | CACCGCGCCA | GCCGCAGGGA | GCTCGCGCCG |
| 50 | 101581 | CGCGCCCGGC | GTTGCATGGC | GGAGACGTTT | CCGTCGGGGG | CCCCGCCGGT | CGGAGGTATG |
| | 101641 | CCGCGTCCCG | GGATATAGGG | TTGCTTTTTT | TGGGGAGGCG | CCTATGGGCG | TGGCGGGCCG |
| | 101701 | CCCAGCCCGG | TCGCGCGCCT | CCCGGACACG | TGCGCCCGGA | GGGCGGCGGT | CTCCTCGTCG |
| | 101761 | CCCATGAGCA | GTTTCCGAAA | CTGCGCCATG | ATGTCCACGA | CGCGGACCCG | CGGCCCCAGC |
| | 101821 | ACGGACTCGC | TATTACAGGG | GGCGGGGGGG | AAGGCCGCCA | GGTCTTCGAG | CAGGAAGGCG |
| 55 | 101881 | GGGTCTGCGG | TCCCGCTCAC | GGGCGCCCGG | GGCGCCGAGG | ACGCGGGGCG | AAGGTCCACG |
| | 101941 | TGTTCCGCGG | CGGCGCGCAC | GTCCGCCCAA | AATTTGGCGG | GGGTGGTCCG | CGCGTACAGG |
| | 102001 | GGCTGGGTTCG | CGCGGAGGAC | GCACGCGTAG | CGCAGGGGGG | TGTACGTGCC | CACCTCGGGG |
| | 102061 | GCCGTCGACC | CGCCGTCAAA | CGCGGCCAGG | GCCACGCACG | CGACCACCGT | GTGCGCCAGG |
| | 102121 | CCCAGCAGCC | GCTGCAGGAT | GAGCCCCGTC | GCCAGCACGG | CGCGCGCGGC | CGCCGCGTCC |

| | | | | | | | |
|----|--------|-------------|-------------|-------------|-------------|------------|-------------|
| | 102181 | TCCCTGCGCC | GGCGCGCGTC | CCCGCAGGCC | AGGGCGTATT | TCAGGGTAAC | GGTCGCCAGG |
| | 102241 | GCCGTGTGCA | GCGCGTACAC | GGCCGCGCCC | AGCACGGCGT | TCAGCCCGCT | GGTGGCGAGC |
| | 102301 | AGGCGGCGCG | CCGCGGTGTC | GCCCAGCGCC | TCGTGCTCGG | CCGCCACGAC | CCCGGGGCTG |
| 5 | 102361 | CCCAGGGGCA | GGGCGCGAAA | CAGCGCCTCC | TGCTCCACGT | CCGCAAACGC | GGGGTGGGCG |
| | 102421 | GAGTGCGGGT | GCAGGCGCGC | CCCCACGACC | ACCGAGAGCC | ACTGGACCGT | CTGCTCCGCC |
| | 102481 | AGGACCGCCA | GCACGTCCAG | GACGCGCCCC | GCAAACGCGG | CCTCCCGCGG | GAGCACGCAT |
| | 102541 | TTGACGGCGC | CGGGGTTGAA | GCGGGCGAGC | AGAGCCCCGG | TGGCGATGTA | CGTCATGCGC |
| | 102601 | CCCGCGTAGC | GGGCGGCCAC | GCGACAGTCG | CGCCCCAGGA | GCGCGCGCAC | CCCGGGCCAG |
| | 102661 | TACAGCAGGG | ACCCACGCGA | ACTGCGAAAG | ACCGCGGCGT | CGGGGCGGGG | GTGGGGGGGC |
| 10 | 102721 | GCGGCCCCCTC | CCGCGCTGAG | CAGCGGCACG | GCGGCGGCCC | CCACGGGCCG | CAACGCCGTG |
| | 102781 | AGGCTCGCGA | ACTGCCGTCTG | GAGCTCGGCC | GCCCTGTCTG | CGAGTCTCCA | GCCGCGCCCC |
| | 102841 | TCCGTGTGCA | GGCGCGTCCC | GCAGACCCAC | CCGTTGATCG | CCACCCGCAC | GATGGCGTCC |
| | 102901 | ACCAGAAAAC | CCATCGCGCG | GGAGGGGCTG | GT'TTTTGCCC | GCCGATCCGT | CAGGTTCGAGG |
| | 102961 | ATCGCGTCGC | CCGTGACGTA | CCAGGCCAGC | GCCTCGCCCT | GCTGCAGCGT | CTGGCGGAAA |
| 15 | 103021 | AACACCTTTG | GGTCGGCCGG | GGAGGCAAAG | TGCATGACCC | CCACGCGCGA | CAGCCCGAAC |
| | 103081 | GCGCTATCCG | GACACGGGTA | GAACCCGGCC | GGATGTCCCA | GGGCCAGGGC | CGAGCGCACG |
| | 103141 | GACTCGTCCC | ACGCGGCGAC | TCGGGGGGTC | AGGCGGTCCA | GGGGGAATGC | CGCCTGCAGC |
| | 103201 | TCCGGGCCCCG | ACACGCGGCC | CGCGAGAATC | TCGACCGTCG | CGGAAGGCCG | CGCCCCGGGG |
| | 103261 | CCGTTCATCGT | GCGCGACGGC | GGCGGGGTAG | TCGTCTCTCT | CGTAGTTGAG | CTCGTCCAGG |
| 20 | 103321 | AACAGCGGCG | AGGGCACCAC | CCGCGAACCG | CCCACCCGCC | CCAAAACGTC | GCGTGGGTCC |
| | 103381 | ATCGGGCCCA | GGTAGCCTCC | CCGCGGGGCC | CGCGTGATGG | CGCTGTCCCG | GCGTCCGCGA |
| | 103441 | ACGGACTGGC | TCCTGGCCGT | AACGGACCTG | GGGCGCGGAA | AGGACGCCCG | GCGGGGGGGC |
| | 103501 | GCCGCCGCCC | GGGCCTCGGA | CGCGCGTCGG | GACCCGGGGT | GACCGCGGGC | CTCCCGGCGA |
| | 103561 | CGGCGCGGGG | GCGGCTCTTC | GCTCGCCATC | TCCCCCGCGG | CCTCGACCTC | GCTGTCTCTG |
| 25 | 103621 | TCCACGTTAA | ACACCGCCCG | CAGGTACCCC | ATTAACCCGA | CTCCACCGCC | CTCGGGCTCG |
| | 103681 | TCCTCCACGG | GCGAGTCGGC | GCGATGCGCG | GACGGGGCAT | GGGACCGGGT | GGAGGCGCGC |
| | 103741 | CTCCGGCGTA | CGGCATGCCC | GCGCACGGAC | ATGGTGGCCG | GAGGCCCGAT | TTTTTACACA |
| | 103801 | CGCCCTCCCC | GCAGACGGAC | GAGGAAAGGG | GTGGTGGCAG | GGGGGAGGCC | CAAACGGGGA |
| | 103861 | GGTGGGGGGT | AGGGGGCGGT | CCAGGGGAGC | GGGGGGTAGG | AACCGGCACG | ACGGGAACAG |
| 30 | 103921 | AGAAAACGCG | ACCGCTCCAA | CAAGGGTGGG | GGGGTGGGCC | TCGTCCCCAC | GCAGACCCGC |
| | 103981 | GGGCAAATGC | GAGAACGGGA | CCCGCGCGCC | TGCCTTTATA | CGCGGACCCC | AGCACCACGA |
| | 104041 | GCCGTTCTGT | GACGCGAATC | TACACGACCG | CGGGCTCGTA | GGCGGACTCA | ACGCCCAACC |
| | 104101 | CAACGGCACA | CACCCCCAC | CCCGCGCGTA | ACCCCATTTT | TTTCATGGTC | CCGTAATAAA |
| | 104161 | CAGCCAACGC | ACGCCGCGTA | TGATGAGTTG | CTTGCCAATG | TTTATTTGCT | TGGTTGCGAA |
| 35 | 104221 | CCCTCTATCG | CGATACAGAC | GGAGGTGAGG | CGGGGCGGTG | GTGGGGGGGG | GGCGCGCCGC |
| | 104281 | CCGGTCGCAC | ATCCTACCCC | CCAAAGTCGT | CAATGCCCAT | GGCATCGGTA | AACATCTGTT |
| | 104341 | CAAACCTCAA | ATCGTCCACG | TCCAAAGCCC | CATACGAGAC | GGGGTCGTGG | GTCATTCCCC |
| | 104401 | GGGAGGGGGA | CTCCACGTCC | CCCAGCATCT | CCAAGTCGAA | GTCGTCCAGG | GCGTCCGGCG |
| | 104461 | GCGTCATATC | CACCTCCTCG | CCGTCCAGGC | GGAGTTCGTC | TCCAGGGCTG | ACGTCCGTAA |
| 40 | 104521 | TGGGGGCGGT | GGTGGACAGT | CTGCGGGGGC | GTTGTCCCCG | GGAGAGAAAC | GACATGCGCG |
| | 104581 | GCGCCACCAG | CCCGGCCCTC | GCAGGAGCGT | CATCGTCGTC | CGGGAGGTGC | AGCAGGCCCT |
| | 104641 | CGATTGTCTG | TCCGTAATTG | TTTCTGTGTC | GCCCCGCGCT | ATACGCGTGC | TCCCGCATGA |
| | 104701 | CGGACTCGCC | CTCCGAGGTC | GCGACGCTGG | AGTACGAGTC | CAACTTGGCC | CGGATCAGCA |
| | 104761 | GCATAAAGTA | CCCAGAGGAG | CGGGCCTGGT | TGCCCTGCAG | GACGGGCGGG | GTCGTGAGGG |
| 45 | 104821 | GCGCCCCGGG | TTCTCTCGCC | GCCGCACTTC | GCACCAGCGG | GAGGTTTCAG | TGCTCGCGAA |
| | 104881 | TGTGGTTTTAG | CTCCCGCAGT | CGCCGGGCCCT | CCACGGGAAC | TCCCCGCACG | GTGAGCGATC |
| | 104941 | CGTTGATAAA | CATCAGGGGC | TGAAACAGAC | ACGCCAACTG | GCGCCAGCTC | TCCAGGTTCG |
| | 105001 | AGCAGAGGCC | GTCGAACAGA | TCGGGCCGCA | TCATCTGCTC | GGCGTACGCG | GCCCATAGGA |
| | 105061 | TCTCGCGGCT | CAGAAAGAGG | TATAGATGCA | GAAACAGGAC | GCGCGCCAGG | CGCGCGGTCT |
| 50 | 105121 | CGCGGTAGTA | CCTGTCCCGG | ATCGTGGTGC | GCAGCATCTC | CCGCAAGTGC | CGGTTGTCGG |
| | 105181 | CCCGCATGTG | TGCCTGGCGG | TGCTAGCTGCC | GACAGCTGGC | GCGCAGGTAC | CGGTACAGGG |
| | 105241 | CCGAGCAAAA | ATTTGCCAAC | ACGGTCCGGT | AGCTCTCCTC | CCGCGCCCGC | AGCTCACCGC |
| | 105301 | GGAAAACTTG | CGCCATGGCC | TCGTAGTACG | AAGGCAGCTC | GTCGCGGGTG | GCGGGCAGGG |
| | 105361 | TGGGGAACGC | CACGTGCGCG | TGGGCGCGAA | TGTCGATCGG | GGAGCGCTCG | GGGACGTGCG |
| 55 | 105421 | CATCCCCCCA | GTCGATCACG | TCGCTGGGCA | GCGTCGACAG | AAACTTGCAC | TCCCGGTACA |
| | 105481 | TGTCGGCGTT | GGTCGGGAAC | CCAGAGAACA | GGTCCTCGTT | CCAGGTATCT | AGCATGGTAC |
| | 105541 | ACAGCGCGGG | ACCCGCGCTG | AAGCCCAGAT | CGTCGAGGAG | ACGGTTAAAC | AGGGCCGCGG |
| | 105601 | GGGGGACGGG | CATGGGCGGC | GAGGGCATCA | GCTGGGCCTG | ACTCAGCCGA | CCGGTGGCGT |
| | 105661 | ACAGCGGAGG | GGCGGCTGGG | GTGTTCTTGG | GACCCCCGGC | TGGCCTGGGG | GGCGGTGGCG |

| | | | | | | | |
|----|--------|------------|------------|------------|------------|------------|------------|
| | 105721 | AAACCCCGTC | CGCGTCCGCA | AACAGATCGT | CGACCAACAG | GTCCATGGGG | GCGGTTGGGT |
| | 105781 | CCGGGAATAA | CGATCTCGAG | AGGCGAATGA | GACGTGCCCG | AGCGCCCGGC | GGCGGAGAGG |
| | 105841 | GGGGGAGGGA | TCCGGGACCC | GCGACAGAAA | AAGGCCGGGG | CCCTCGCGAA | GGGAATCGCC |
| 5 | 105901 | GGGGGTGCCG | TGCGTCCCCG | AGGACTGACA | TCTCGCGTCC | ACCACCCCGC | ATTTAAGTAT |
| | 105961 | CACCCAGTG | CCGCCCCAAA | CCTCGTGA | TCCCCACCGC | TCCGGGCGGC | CCGTCCCCCG |
| | 106021 | CGCTCGGAAG | GGAGGCGTGT | CCTTCCTCCC | GCCCCCTCCG | CCCCCTCCCG | CCCTCCCCCG |
| | 106081 | CCTCCCGCCC | CTCCCGCCCC | TCCCGCCCT | CCCGCCCTC | CCGCCCCCTC | CGCCCCCTCC |
| | 106141 | GCCCCCTCCG | CCCCCTCCCG | CCCTCGCCAC | AAACGCGTGC | TGACAGCGAA | GTGGTTAAAT |
| | 106201 | CGACCGTGAT | GCTTTATTGT | CTGTGCTCTG | AACGCGGTTC | GGGTCTGTAC | TCGAGGGGGC |
| 10 | 106261 | GGCGGGGACG | GGAAGCCGAG | CGGGCGGGGG | CCCGTGCGGT | CGCGGCGGCA | CGCCCCGCGG |
| | 106321 | GGCGGCCCCG | GGCGGCCGCG | GTCGCGTCGA | CGTCCTGCGC | CGCGTCGGGA | TTACCAACT |
| | 106381 | CGTTCGCGCG | CTGCAGGAGG | TTCTTGCCCT | CGCAGACCGT | CACGCGAATG | GTGGTGAGGT |
| | 106441 | CGAGGAGCTC | GTTGAGGTCT | TCGTGCGGTG | GCGGCCGCGA | CATGTCCCAC | AGCTGTACCG |
| | 106501 | CCGCCAGCCG | GGCGTGCGTG | GCCGCCAGGC | GCCCCACCGC | GGCGCAGAAG | ACGCGCTTGT |
| 15 | 106561 | TGAACCCGGC | CACCCGGGGG | GTCACGGCG | CCGTGGGGCT | CGGTGGGGCG | GTGCTGAAGT |
| | 106621 | GCAGCTTCTT | GGCCAGTCCC | TGGGCGGGTG | TCTTGCTTCT | TCCCGAGGCC | GTGGGAGCGG |
| | 106681 | GGGCGTCTAG | GAGCACGGCG | GAGTCGGCCT | GGGCGGGTCG | CCTGCCCGCG | GCGGGGTGCG |
| | 106741 | TCGCCGGGGT | CGCGGAGGCC | TTAGGCGCCC | CGCGCGTCAT | TTTGGGGGTC | CGCGCGGGAG |
| | 106801 | GGGCGTGCGA | GCGCCCGCCG | GCGCCACGG | GGCCCCCGGG | GGGTGGAGGA | GCGCGCGCGG |
| 20 | 106861 | GGCCGGGGCC | GTGAGAGCCC | GCGACGGACG | CCGAACGACG | CGGTGCGCGG | GTATCCCGGG |
| | 106921 | ACTCGTCGTC | GTCCGAAGAC | GAGTCCCGGT | AGAGGGCATA | CCCAGCCTCG | TCATAATGGA |
| | 106981 | GAAAGCGAAC | CTCGCCCCCT | GGGCGCGCGC | GCATCGGGCC | AGCGCCCGCG | CGGAAGTCGT |
| | 107041 | CGCGCGGACT | CTCTGGGTCC | GCCGGGGAGA | CCGGGCCATA | GTACAGCTCC | TCGTGGGTCC |
| | 107101 | CGCGCGGCGC | TTCCCGCGGA | CACGACTTGA | CGGAGCGGCG | AGAGGTCATG | GTCTATCGGA |
| 25 | 107161 | GACACCGGGG | ACGCCCCGTC | GAGTCACAGG | GAAGGCGTCG | GCGAAGGAGG | GCGAGAGCGT |
| | 107221 | CGGAAGGCGG | CGAGGGAGGG | AAAGAGGGAG | ACCGGCGGGG | TACGGGAGAG | CAGCGAGGGC |
| | 107281 | CTGCGTAACC | CACGGGGGCC | GCGGGAGTGG | CTCCCTGCGG | GTTGCGGGGG | AGAGTTTATA |
| | 107341 | GGAAGTGGAT | ATAACCGCAG | GCGACGGGAC | TAACCAATCC | CCGGGGGGGC | AACGGACAGA |
| | 107401 | CACGCCCCGA | ACAGGCCCGA | CTTCCGCGAG | GAAGCAAAGG | CCGGGGGGCC | CCCAACGACA |
| 30 | 107461 | CGCCACCCCC | TTCCCAACAG | GGCGGGCTCA | GGCTGACCCG | GCGGCCAGTG | CCCGCTGACA |
| | 107521 | TATCTGATAC | ACGTGCGCGA | TCATACATAC | GCCCATCGAG | GTCATGCCTA | GATAAAAGGG |
| | 107581 | CACCAGGACC | CCCGGGACGG | ACACCACACC | GGCGCTGTCT | CCCCGGCATT | GCGCGTCCCC |
| | 107641 | GATAACCGCG | CGTGCGCCTG | CCGCGTTCCG | CGGCTCCCCG | GGCAGCCCCG | CGCAGAGCGC |
| | 107701 | GACGAACAAC | AGCACCAACC | AGCGGCCAG | TCTTGCGGGT | TTCCCGCTCA | TCGCGGCGAT |
| 35 | 107761 | GAGTCAGTGG | GGGCCCAGGG | CGATCCTTGT | CCAGACGGAC | AGCACCAACC | GGAATGCCGA |
| | 107821 | TGGGGACTGG | CAAGCGGGCC | TAGCTATTCT | CGGGGGCGGA | GTCGTTCAAC | TGAACATGGT |
| | 107881 | CAACAAACGC | GCCGTGGATT | TTACCCCGGC | AGAATGCGGG | GACTCCGAAT | GGGCCGTGGG |
| | 107941 | CCGCGTCTCT | CTGGGCCCTG | GAATGGCAAT | GCCGCGGGAC | TTCTGCGCGA | TTATTACAGC |
| | 108001 | CCCCGCGGTA | TCCGGCCCCG | GGCCCCACGT | GATGCTCGGT | CTCGTGCAGT | CGGGCTACCG |
| 40 | 108061 | CGGAACCGTC | CTGGCCGTGG | TCGTAGCCCC | GAACGGGACG | CGCGGGTTTG | CCCCCGGGGG |
| | 108121 | CCTCCGGGTC | GACGTGACGT | TTCTGGACAT | CCGGGCCACC | CCCCCGACCC | TCACCGAGCC |
| | 108181 | GAGCTCCCTG | CACCGGTTTC | CGCAGTTGGC | CCCGTCCCCG | CTGGCAGGGT | TACGAGAAGA |
| | 108241 | TCCTTGTTTG | GACGGGGCGC | TCGCGACCGC | CGGGGGGGCG | GTGGCCCTGC | CGGACGAGAC |
| | 108301 | GCGCGGGGGA | TCGCTGGTCT | ACGCGGGCGA | GCTAACGCGA | GTGACCACCG | AGCACGGCGA |
| 45 | 108361 | CTGCGTGAC | GAGGCGCCCC | CCTTTCTGCC | AAAGCGCGAG | GAGGACGCGA | GCTTTGACAT |
| | 108421 | TCTCATCCAC | CGAGCCGTGA | CCGTCCCGGC | CAACGGCGCC | ACGGTCATAC | AGCCGTCCCT |
| | 108481 | CCGCGTATTG | CGCGCGGGCC | ACGGACCAGA | GGCCTGCTAT | GTGCTGGGGC | GGTCGTGCGT |
| | 108541 | CAATGCCAGG | GGCCTCCTGG | TCATGCCTAC | GCGCTGGCCC | TCCGGGCACG | CCTGTGCGTT |
| | 108601 | TGTTGTATGT | AACCTGACCG | GAGTCCCGGT | GACCCTACAA | GCCGGGTCCA | AGGTGCGCCA |
| 50 | 108661 | GCTGCTCGTC | GCGGGGACCC | ACGCCCTCCC | CTGGATCCCC | CCCGACAACA | TCCACGAGGA |
| | 108721 | CGGCGCATTC | CGGGCCTACC | CCAGAGGGGT | TCCGGACCGG | ACCGCCACCC | CCCGAGACCC |
| | 108781 | GCCGATTTTG | GTGTTTACGA | ACGAGTTTGA | CGCGGACGCC | CCCCCAAGCA | AGCGGGGGGC |
| | 108841 | CGGGGGGTTT | GGCTCCACTG | GCATCTAGAC | CGCGCCTCGC | GTCGGGCCAG | ATGGGGCCCC |
| | 108901 | GGTCAATAAA | GAGCTCTGTT | TCGCATATGC | CCTGGTGTTG | GCGGTTTTTT | TTTGTTGTCT |
| 55 | 108961 | GTCTGCCCCG | CGCTCGGTTG | TCCGTTCTGT | CGTCGCTATC | ACATACGCAC | AAACACACGG |
| | 109021 | GTAGAGTGGA | ACCGAAACCG | GTCGACGTTT | ATTACACCAC | CAGAAACACA | AGCTAAGCGA |
| | 109081 | GAAGGAGGGG | GGCCTCGGTC | GACGAGGCCT | GGCGTTTGGG | GGCGGACGTG | CGATGACGTG |
| | 109141 | GGTCCGGTGT | AGGGTCCGCG | GGGGGCACGG | GCCCCGGGGC | AACGGGGGAT | CTGTGCGCCG |
| | 109201 | CGTGGGTGAC | TGGGACCGAC | GCAACCTCCG | GGGCTTGTCG | CCTCGTAGGC | CCGGGGGGGG |

| | | | | | | | |
|----|--------|------------|-------------|------------|-------------|-------------|-------------|
| | 109261 | CCTCGGTGCG | TCCAAGCCCC | GCGGTGCGGG | TCCCTCCGGC | CAGAGCCGAG | GTGGAGAGAC |
| | 109321 | CAAGGGCCCC | CTCCGCGATC | GCCACGTCCT | CCATGACCAC | GTCGCTCTCG | GCCATGCTCC |
| | 109381 | GAATGGCCTG | GGAGACGAGC | ACGTCCGCCG | ACTTGTCCGC | GGCCCCACC | GACATGTACA |
| | 109441 | TCTGCAGGAT | GGTGGCCATG | CACGTGTCCG | CCAGGCGGGC | CATCTTGTCC | CGATGCGCCG |
| 5 | 109501 | CAACGGCCCC | GTCGATGGTG | GAGCCCTCGA | GTCCCGGGTG | GTGGCGCGCC | AGCCTCTCGA |
| | 109561 | GGTTGACCAT | GCAGGCGTGG | TATGTGCGGG | CCAGGCGCGC | CGCCTTCACG | AGGCGCCGGG |
| | 109621 | TGTCGTCCAG | CGACTCTAGG | CGCTCGTCGA | GCGTGATGGG | GGCGGGCAAA | AGCGCATTTA |
| | 109681 | CCACCGCCAG | GGCCTCCTGC | AGCCGCGGCT | CCGCCTCCGA | GGGCGGAGCC | GCGGCCGGAA |
| | 109741 | TCATCTCATA | TTGTTGTTCC | TCGGGGCGCG | TTCCCCAACC | GCACAGCACC | CCGAGCAGGG |
| 10 | 109801 | ACGCCATCCC | GGAACACGCG | CGCGGCTCTG | CGCCGGCTTT | CCCCACCCC | ACCCCTCCG |
| | 109861 | GGTTCGCAGG | GGCGATGGGG | ACGGAAGACT | GCGATCACGA | AGGGCGGTCT | GTTGCGGCTC |
| | 109921 | CCGTGGAGGT | TACGGCGCTG | TATGCGACCG | ACGGGTGCGT | TATCACCTCC | TCGCTCGCCC |
| | 109981 | TCCTCACAAA | CTGCCCTGCT | GGGGCCGAGC | CGTTGTATAT | ATTTCAGCTAC | GACGCGTACC |
| | 110041 | GGTCCGATGC | GCCCAATGGC | CCCACGGGCG | CGCCACCCGA | ACAGGAGAGG | TTTCGAGGGGA |
| 15 | 110101 | GCCGGGCGCT | CTACCGGGAT | GCGGGGGGGG | TAAATGGCGA | TTCATTTTCGG | GTGACCTTTT |
| | 110161 | GTTTATTGGG | GACGGAAGTG | GCGGTGACCC | ACCACCCGAA | AGGGCGCACC | CGGCCCCATG |
| | 110221 | TTGTGTGCCG | CTTCGAGCGA | GCGGACGACG | TCGCCGTGCT | CCAAGACGCC | CTGGGCCGCG |
| | 110281 | GGACCCCAT | GCTCCCGGCC | CACGTACAG | CAACTCTGGA | CTTGGAGGCG | ACGTTTGC |
| | 110341 | TCCACGCTAA | CATCATCATG | GCTCTCACC | TGGCCATCGT | CCACAACGCC | CCCGCCCGCA |
| 20 | 110401 | TCGGCAGCGG | CAGCACC GCC | CCCCTGTATG | AGCCCGGCGA | ATCGATGCGC | TCGGTCGTCT |
| | 110461 | GGCGCATGTC | CCTGGGGCAG | CGCGGCCTCA | CCACGCTGTT | CGTGCACCAC | GAGGCGCGCG |
| | 110521 | TGCTGGGGGC | GTACCGCCGG | GCGTATTATG | GGAGCGCCCA | AAGCCCCCTT | TGGTTTCTGA |
| | 110581 | GCAAATTCCG | CCCGGACGAA | AAGAGCCTGG | TGCTGGCCGC | TAGGTACTAC | CTACTCCAGG |
| | 110641 | CTCCGCGCTT | GGGGGGCGCC | GGAGCCACGT | ACGATCTGCA | GGCCGTGAAA | GACATCTGCG |
| 25 | 110701 | CGACCTACGC | AATCCCCAC | GACCCACGCC | CCGACACCTT | CAGTGC | TCCTTGACCT |
| | 110761 | CGTTCCGCGC | CATCACTCGG | TTCTGTTGCA | CGAGCCAGTA | CTCCGCGGGG | CCCGCGGCCG |
| | 110821 | CTGGGTTTCC | GCTGTATGTG | GAGCGCCGCA | TCGCCGCCGA | CGTACGCGAG | ACGGGCGCGC |
| | 110881 | TGGAGAAGTT | CATCGCCAC | GATCGCAGCT | GCCTGCGCGT | GTCCGACCGG | GAATTCATTA |
| | 110941 | CGTACATCTA | CCTGGCCAC | TTTGAGTGCT | TCAGCCCCC | GCGCCTGGCC | ACGCATCTCC |
| 30 | 111001 | GGGCCGTGAC | CACCCACGAC | CCCAGCCCCG | CGGCCAGCAC | GGAGCAGCCC | TCGCCCCCTG |
| | 111061 | GTCCGGAGGC | GGTGGAAACAG | TTCTTCCGGC | ACGTGCGCGC | CCAGCTGAAC | ATCCGCGAGT |
| | 111121 | ACGTAAAGCA | AAACGTCACC | CCCAGGGAAA | CCGCCCTGGC | GGGAGACGCG | GCCGCCGCC |
| | 111181 | ACCTGCGCGC | GCGCACGTAT | GCCCCGGCGG | CCCTCACGCC | CGCCCCCGCG | TACTGCGGGG |
| | 111241 | TCGCAGACTC | GTCCACAAA | ATGATGGGAC | GTTCTGGCGGA | AGCAGAAAGG | CTCCTAGTCC |
| 35 | 111301 | CCCACGGCTG | GCCCCGCTTC | GCACCAACAA | CCCTCCGGGA | CGACGCGGGG | GGCGGCACTG |
| | 111361 | CCGCCCCCCA | GACCTGCGGA | ATCGTCAAGC | GCCTCCTCAA | GCTGGCCGCC | ACGGAGCAGC |
| | 111421 | AGGGCACGAC | GCCCCCGGCG | ATCGCGGCTC | TCATGCAGGA | CGCGTCGGTC | CAAACCCCCC |
| | 111481 | TGCCCCGTGA | CAGGATTACC | ATGTCCCCGA | CCGGCCAGGC | GTTTGCCGCG | GCGGCGCGGG |
| | 111541 | ACGACTGGGC | CCGCGTGACG | CGGGACGCGC | GCCCCCGCGA | AGCGACCGTG | GTCGCGGACG |
| 40 | 111601 | CGGCGGCGGC | GCCCCGAGCC | GGCGCGCTCG | GCCGGCGGCT | CACGCGCCGC | ATTTGCGCCC |
| | 111661 | GGGGCCCCCG | GCTCCCCCGG | GGCGGCCTGG | CCGTGCGGGG | CCAGATGTAC | GTGAACCGCA |
| | 111721 | ACGAGATCTT | CAACGCCGCG | CTGGCCGTGA | CGAACATCAT | CCTGGATCTG | GACATCGCCC |
| | 111781 | TGAAGGAGCC | CGTCCCCCTT | CCCCGGCTCC | ACGAGGCCCT | GGGTCACTTT | AGGCGCGGGG |
| | 111841 | CGCTGGCGGC | GGTTCAGCTG | TTGTTTCCCG | CGGCCCGCGT | AGACCCGAC | GCCTATCCCT |
| 45 | 111901 | GTTATTTTTT | CAAAAGCGCC | TGTCGGCCCC | GCGCGCCGCC | CGTCTGTGCG | GGCGACGGGC |
| | 111961 | CCTCGGCCGG | TGGCGACGAC | GGCGACGGGG | ACTGGTTCCC | CGACGCCGGT | GGTCCCGGCG |
| | 112021 | ACGAGGAGTG | GGAGGAGGAC | ACGGACCCCA | TGGACACGAC | CCACGGCCCC | CTCCCGGACG |
| | 112081 | ACGAGGCCGC | GTACCTCGAC | CTGCTACACG | AACAGATACC | AGCGGCGACG | CCCAGCGAAC |
| | 112141 | CGGACTCCGT | CGTGTGTTCC | TGCGCCGACA | AGATCGGGCT | GCGCGTGTGC | CTACCGGTCC |
| 50 | 112201 | CCGCCCCGTA | CGTTGTGCAC | GGCTCCCTGA | CGATGCGTGG | GGTGGCGAGG | GTGATCCAGC |
| | 112261 | AGGCGGTGCT | GTTGGACCGC | GACTTCGTGG | AGGCCGTAGG | GAGCCACGTA | AAGAACCTTT |
| | 112321 | TGCTGATCGA | TACGGGCGTG | TACGCCACAG | GCCACAGCCT | GCGCTTGCCG | TATTTCCGCA |
| | 112381 | AGATCGGCCC | CGACGGCTCC | GCGTGCGGCC | GGTTATTGCC | CGTCTTCGTG | ATCCCCCCCC |
| | 112441 | CGTGCGAGGA | CGTTCCGGCG | TTCGTGCGCG | CGCACGCCGA | CCCGCGGCGC | TTCCACTTTC |
| 55 | 112501 | ACGCCCCGCC | CATGTTTTTC | GCGGCCCGCG | GGGAGATCCG | CGTCCCTCCAC | AGCCTGGGCG |
| | 112561 | GGGACTATGT | CAGCTTTTTT | GAGAAGAAGG | CGTCGCGCAA | CGCCCTGGAG | CACTTTGGGC |
| | 112621 | GACGCGAGAC | CCTGACGGAG | GTTCCTGGGC | GCTACGATGT | GCGGCCCGAC | GCCGGGGAGA |
| | 112681 | CCGTGGAGGG | GTTCGCGTCA | GAACGTCTGG | GGCGAATAGT | CGCGTGATC | GAGGCTCACT |
| | 112741 | TTCCCGAGCA | CGCGCGGGAA | TATCAGGCCG | TGTCCGTTCG | CCGGGCCGTC | ATTAAGGACG |

| | | | | | | | |
|----|--------|-------------|-------------|------------|-------------|-------------|------------|
| | 112801 | ACTGGGTCCT | GCTGCAGCTG | ATCCCCGGCC | GCGGCGCCCT | GAACCAAAGC | CTCTCGTGTC |
| | 112861 | TGCGCTTCAA | GCACGGCAGG | GCAAGTCGCG | CGACGGCCCG | GACCTTTCTC | GCGCTGAGCG |
| | 112921 | TCGGGACCAA | CAACCGCCTA | TGCGCGTCCC | TGTGTCAGCA | GTGCTTTGCC | ACTAAATGCG |
| 5 | 112981 | ATAACAACCG | CCTGCACACG | CTGTTTACCG | TGGATGCGGG | CACGCCATGC | TCGCGGTCCG |
| | 113041 | CTCCCTCCAG | CACCTCACGA | CCGTATCTT | CATAACGGCC | TACGGCCTCG | TGCTCGCGTG |
| | 113101 | GTACATCGTC | TTTGGTGCCA | GTCCGCTCCA | CCGATGTATT | TACGCGGTGC | GCCCCGCCGG |
| | 113161 | GGCGCACAA | GATACCGCCC | TCGTGTGGAT | GAAGATAAAC | CAGACGCTGT | TGTTTCTGGG |
| | 113221 | CCCGCCGACC | GCCCCCCCCG | CGGGGGCATG | GACCCCCCAC | GCCCGCGTCT | GCTACGCCAA |
| | 113281 | TATCATCGAA | GGTCGGGCCG | TGTCCCTCCC | GGCCATCCCC | GGCGCCATGA | GCCGCCGGGT |
| 10 | 113341 | CATGAACGTG | CACGAGGCCG | TAAACTGCTT | GGAGGCCCTC | TGGGACACCC | AGATGCGCCT |
| | 113401 | GGTGGTCGTC | GGTTGGTTTC | TGTATCTAGC | GTTTCGTCGCC | CTTACCAAC | GACGATGCAT |
| | 113461 | GTTCCGGCGTC | GTGAGTCCCG | CGCACAGCAT | GGTGGCCCCG | GCGACCTATC | TTTTGAACTA |
| | 113521 | CGCCGGCCGC | ATAGTGTCTGA | GCGTGTCTT | GCAATACCCC | TACACGAAAA | TCACCCGCCT |
| | 113581 | CCTCTGCGAG | CTATCCGTTT | AACGCCAGAC | CCTGGTGCAG | CTGTTTCGAGG | CGGATCCGGT |
| 15 | 113641 | CACCTTCTTG | TACCACCGCC | CGGCCATTGG | CGTCATCGTG | GGCTGCGAGC | TGCTGCTCCG |
| | 113701 | CTTCGTGGCC | CTCGGTCTCA | TCGTCCGCAC | CGCTCTCATC | TCCCGGGGCG | CCTGCGCGAT |
| | 113761 | CACACACCCC | CTGTTTCTAA | CAATCACCAC | CTGGTGTTC | GTGTCCATCA | TGCCCCTGAC |
| | 113821 | GGAGCTGTAT | TTCATCCTGC | GGCGGGGCTC | GGCCCCCAA | AACGCGGAAC | CAGCGGCCCC |
| | 113881 | CAGGGGGCGC | TCCAAAGGGT | GGTCGGGCGT | CTGCGGGCGC | TGCTGTTCCA | TCATCCTCTC |
| 20 | 113941 | CGGTATCGCC | GTGCGCCTGT | GCTATATCGC | CGTCGTGGCC | GGGGTGGTGC | TCGTGGCGCT |
| | 114001 | TCGCTACGAA | CAGGAGATT | AGCGGCGCCT | GTTTGATCTG | TGACGTAACG | CCTCTTCCGT |
| | 114061 | TGGAAGAGGC | GGACCCAGTC | GCCCATACAA | ATTAAATACA | CGACCCGCCT | CGGGCCTACG |
| | 114121 | CACCTCTGCA | CGTCGCATGC | AAATTAATAA | CGTGACACAG | GCCGATCCGG | CCTCGGGTCT |
| | 114181 | GCTTGGCCCC | CCCCCGGCC | AGCACAGGCA | GGTCGTCCG | ACTTCCGCAT | ACACCCACC |
| 25 | 114241 | CTACCGCGTG | CTTCCGCACC | CCCGCCTACG | CGTGACGCG | AAGGCGGACC | CAGACCTGCC |
| | 114301 | GTATGCTAAT | TAAATACATA | AAACCCACCC | TCGGTGTCCG | ATTGGTTTCT | GGGACGGCG |
| | 114361 | GGGGCGGGGG | CGGTGACGCC | CGACGGGGAG | GGACAAGGAG | GAGTTTCGGA | AAGCCGGCCC |
| | 114421 | CGGTCTGTCG | GGTATAAGGG | CAGCCACCGG | CCCACTGGGC | GCTGTGTGCT | GCCGTGTGCC |
| | 114481 | GACCCCGGTT | GCGCGTCGGT | GCCGCTCCTC | GATTTCGGAC | CGGCCACTCT | CTTCCGACAC |
| 30 | 114541 | GCGCCCCCTC | GGAGGACACC | CGCCATCCCA | GCCCCGGCGA | CCTACAACAT | GGCTACCGAC |
| | 114601 | ATTGATATGC | TAATCGACCT | AGGATTGGAC | CTGTCCGACA | GCGAGCTCGA | GGAGGACGCT |
| | 114661 | CTGGAGCGGG | ACGAGGAGGG | CCGCCGCGAC | GACCCCGAGT | CCGACAGCAG | CGGGGAGTGT |
| | 114721 | TCCTCGTCGG | ACGAGGACAT | GGAGAACCCC | TGCGGAGACG | GAGGGGCGGA | GGCCATCGAC |
| | 114781 | GCGGCGATT | CCAAAGGTCC | CCCGGCCCGC | CCCGAGGACG | CCGGACCCCC | CGAAGCCTCG |
| 35 | 114841 | ACGCCTCGCC | CGGCAGCGCG | GCGGGGAGCC | GACGATCCGC | CACCCGCGAC | CACCGGCGTG |
| | 114901 | TGGTCTGCGC | TCGGGACCAG | GCGGTCTGGT | TCCCCCGGG | AACCGCACGG | GGGGAAGGTG |
| | 114961 | GCCCGCATCC | AACCCCGTTC | GACCAAGGCA | CCGCATCCCC | GAGGCGGGCG | GCGAGGTGCG |
| | 115021 | CGCCGGGGCC | GGGGTCTGATA | CGGCCCGGCG | GGCGCCGACT | CCACACCAAA | ACCCCGCCGG |
| 40 | 115081 | CGCGTCTCCA | GAAACGCCCA | CAACCAAGGG | GGTCGCCACC | CCGCGTCGGC | GCGGACGGAC |
| | 115141 | GGCCCCGGCG | CCACCCACGG | CGAGGCGCGG | CGCGGAGGGG | AGCAGCTCGA | CGTCTCCGGG |
| | 115201 | GGCCCGCGCG | CACGAGGCAC | GCGCCAGGCC | CCCCCTCCGC | TGATGGCGCT | GTCCCTGACC |
| | 115261 | CCCCCGCACG | CGGACGGCCG | GCCCCGGTTC | CCGGAGCGAA | AGGCGCCCTC | TGCCGACACC |
| | 115321 | ATCGACCCCC | CCGTTTCGGG | GGTTCCTCGA | TCCATATCCG | AGCGCGCGGC | GCTCGAGCGC |
| 45 | 115381 | ATCAGCGAAA | GCTTTGGACG | CAGTGCCCTG | GTCATGCAAG | ACCCCTTTGG | CGGGATGCCG |
| | 115441 | TTTCCCGCCG | CGAACAGCCC | CTGGGCTCCC | GTGCTGGCCA | CCCAAGCGGG | GGGGTTTGAC |
| | 115501 | GCCGAGACCC | GTCGGGTTTC | CTGGGAAACC | CTGGTCTGTC | ACGGCCCGAG | CCTCTACCGC |
| | 115561 | ACATTGCGAG | CCAACCCGCG | GGCCGCGTCG | ACAGCCAAGG | CCATGCGCGA | CTGCGTGCTG |
| | 115621 | CGCCAGGAAA | ATCTCATCGA | GGCCCTGGCG | TCCGCGGATG | AGACGCTGGC | GTGGTGCAAG |
| | 115681 | ATGTGCATT | ACCACAATCT | GCCGCTCCGC | CCCCAGGACC | CTATCATCGG | AACGGCGGCC |
| 50 | 115741 | GCCGTGCTGG | AAAACCTCGC | CACGCGCCTG | CGCCCCCTTC | TGCAGTGCTA | CCTGAAGGCC |
| | 115801 | CGAGGCTGTG | GCGGGCTGGA | CGACCTGTGC | TCGCGGCGAC | GCCTGTGCGA | CATTAAGGAT |
| | 115861 | ATTGCCTCCT | TTGTGTTGGT | CATCCTGGCC | CGCCTCGCCA | ACCGCGTCGA | GCGCGGCGTG |
| | 115921 | TCGGAGATCG | ACTACACGAC | CGTGGGGGTT | GGGGCCGGCG | AGACGATGCA | CTTTTACATC |
| | 115981 | CCGGGGGCCT | GCATGGCGGG | TCTCATTGAA | ATACTGGACA | CGCACCGCCA | GGAGTGTTC |
| 55 | 116041 | AGTCGCGTGT | GCGAGCTGAC | GGCCAGTCAC | ACTATCGCCC | CCTTATATGT | GCACGGCAAA |
| | 116101 | TACTTCTACT | GCAACTCCCT | ATTTTAGGCA | AGAATAAACA | TATTGACGTC | AACCCAAGTG |
| | 116161 | GTTCCGTGTG | ATGTTCTTGG | CGCGCGCGGC | GGGTGGGGCG | GAGACTCCGG | GGCGATGCCG |
| | 116221 | GCGTGCGCGT | GGGAGGAGGG | CGATGACCCA | CCGGATAAAT | GTGGGGCCCC | GGCCCGGCC |
| | 116281 | GCTTCATAGC | GCGTCCAGGA | ACTCACGGCA | GACGCGTATT | CACCGACCCC | CCCCCTCGCA |

| | | | | | | | |
|----|--------|------------|-------------|-------------|-------------|-------------|-------------|
| | 116341 | CATGACAACG | ACGCCCCTCT | CGAACCTGTT | TTTACGGGCC | CCGGACATCA | CCCACGTCGC |
| | 116401 | CCCCCGTAC | TGTCTGAATG | CCACGTGGCA | GGCCGAAAAC | GCCCTGCACA | CGACCAAAAC |
| | 116461 | GGACCCCGCG | TGCCTGGCCG | CGCGGAGTTA | TTTAGTCCGC | GCCTCCTGCT | CGACCAGCGG |
| 5 | 116521 | CCCCATCCAC | TGTTTTTTCT | TTGCGGTGTA | CAAGGACTCG | CAGCACTCCC | TCCGCTGGT |
| | 116581 | TACCGAGCTC | CGCAACTTCG | CGGACCTGGT | CAACCACCCG | CCCGTCTTGC | GCGAACTAGA |
| | 116641 | GGATAAGCGT | GGGGGGCGGC | TGCGGTGCAC | GGGCCCATTG | AGCTGCGGAA | CCATCAAGGA |
| | 116701 | CGTCTCCGGT | GCATCCCCCG | CGGGGGAATA | CACGATAAAC | GGTATCGTGT | ACCACTGTCA |
| | 116761 | CTGTCCGTAT | CCGTTCTCCA | AAACCTGCTG | GCTCGGGGCA | TCCGCGGGCC | TACAACACCT |
| | 116821 | TCGCTCTATA | AGCTCAAGCG | GCACGGCCGC | TCGCGCGGCA | GAACAGCGAC | GCCACAAAAT |
| 10 | 116881 | CAAAATCAAA | ATCAAGGTAT | AACCCACCCC | CTTCCCTCCG | AGTCCGTATG | CAACCTCATT |
| | 116941 | AATAAAGAGT | GAGAACCAAC | CAAAACAGAC | GCGGTGTGAG | TTTGTGGGTT | ATAGGAACCC |
| | 117001 | GGTAAATACC | ACGCGACGAA | CCAGCATGTG | TGTTAACGCA | ACTTTTATTC | GTTGTATCGC |
| | 117061 | GGGAGGGGGG | AAGCTTACCG | CCAAAGGAAG | GCCAAGATGA | TAACGACGAC | CACCGCGACC |
| | 117121 | ACCCCAAAAA | CCGCATGACG | ACACGTCCCC | CCACACCACC | CTGGGGCTTG | GGGCGTGTCTG |
| 15 | 117181 | GAGCTCGACG | CACAGCGGGC | CGCGCGTTGG | GCCCCGTACA | GCTCTCGCGA | ATTGACAAGC |
| | 117241 | GGGGTTCGCC | ACGTGCGCGA | GCTTTGACAG | CGGGGTGGGT | CGGCCGGGCC | CACGGACCCG |
| | 117301 | CCCGGTGGCT | CGGTGCGACA | TGCGGCCATG | ACCATGGCGT | AGGTGGGGGG | GCGATCCGAG |
| | 117361 | GTCGCCTCTG | CGTAAGTAGG | GAGGCCCCGAC | GGGAGGTCGC | CTCCACGCGC | AGGGTGGGCC |
| | 117421 | CCAATCATAG | TTTCCGGTAG | AAACAGGGGG | GTCTCCACAA | ACAACCCCCC | TGGGCCAAAG |
| 20 | 117481 | CTCCGGCGCC | GCGCCCGTCG | TTCCGGCGCG | CGCCTGGCGC | GCCGAGCGGC | CCGCCAGGCG |
| | 117541 | GCGCGGCGCG | AGCGGCCACG | CTCACACACC | TCGCCGTCAC | CGGAAGAAGC | CGGTGAAACA |
| | 117601 | AGCCCAACCG | GCGACGTCCC | TGCAGAGTAC | GGTGGAGGCG | AGTCCGTGGG | GGTGTGCGATA |
| | 117661 | TCAATAACGA | CAAACCTGGC | CGCGCTCGCG | CCGGCCACAC | TCTCGTATGG | GGGCGGGGCG |
| | 117721 | TCAATACACG | TATCATCTCC | GTCATCCCTG | CATGCGTGGG | CATGCCCAGC | CCCCAACGCG |
| 25 | 117781 | ATGTTGGGGA | TTTCGCGGTC | AGAAGCCTGC | ATGTCGTGTG | GTGCGTCTGA | GTCCAACGTC |
| | 117841 | CCTCCCCCAC | CCACACACA | GCCGGTCCCC | ACGCCGACCA | CTAGACCGTA | GACGTGCGCC |
| | 117901 | AACCGAGGTC | CCCGTGCACA | GACCGCGCCT | TTTATAGCCC | CAGGGGTTGC | TAATTAACGC |
| | 117961 | ACGCATGCAG | ACGCAATTTA | TTTTGCTCCC | CCGCGTCCCT | CCCTCCCCCTG | CGCACACGTG |
| 30 | 118021 | ATAGGTCTTG | GGAACCCGAG | GGGCGACGCG | GGGAAAGCGC | GCCCCCGCCC | GGCCGCCGCG |
| | 118081 | CGCCCCCGCC | CGGCCGCCGC | GCGCCCCCGC | CCGGCCGCCG | CGCGCCCCCG | CCCGGCCGCG |
| | 118141 | GCGCGCCCCC | GCCCGGCCGC | CGCGCGCCCC | CGCCCGGCCG | CCGCGCGCCC | CCGCCCGGCC |
| | 118201 | GCCCGCGTCG | CGCCGGCGCC | CCCTCCCCGG | GCTTCCGGGG | TCTTTCTCTT | CTTCCCCGCC |
| | 118261 | GCGACCCCGA | CCCCGCCCCA | CCGCCCCGCC | CGGCAGGGGG | GCCCCGGCGC | CGCGCAGAAC |
| | 118321 | ACACAGACGA | ACACACGGTG | GCGATCTTTT | CTTACTTTCG | GCGGACCAGC | GAGCCCCGGC |
| 35 | 118381 | CCCGGCCCGC | GCCCCGCCGC | CACACCCACG | GCAACCCCCC | CCGCCGCCCA | CCCGGGGTC |
| | 118441 | CACACAGGAG | CGCGCGGGCG | GCAGAAACGC | GGGCGCGGCG | GCGGTGCGGG | TGGGAGTGGT |
| | 118501 | GGTGGGGGAC | ACGAAAACAC | ACCCACGACA | CTCTCCCCCC | ACCCCGACCG | CCGCCGCGCC |
| | 118561 | CCACCGGCGG | GATCGCGGCG | AGACGCAGCC | GGGCCCCCCC | CCACCACCCG | CCCACCCACC |
| | 118621 | TACCCCGCGC | CCGCAGCCTC | CGGCAGCACG | CCGACCACCG | CCGCCACCCC | CCAAACAGCC |
| 40 | 118681 | AAGGCGCGGT | GGGGGGCGTG | GTGGTGAACG | ATGGGGGGAA | CACGGGGGGG | AGGGGTCCCG |
| | 118741 | GGCGAGGCGG | GCGGGCGAAG | GAAGGGGGGG | TGGTGGCGGC | GGCGGTGGAA | AGCGGAAAAA |
| | 118801 | CGGAGGATGG | AAGGGCAGAA | GATGGGGAGT | CCCGATCCTC | CTCCTGCATC | CCCTCGCCTT |
| | 118861 | CCATTCTCCG | GCCCTCCGCG | AGTCCCGACG | CCCCCCCCCC | GCCGCCCGAG | GAAGGAGACC |
| | 118921 | CAAGCACCGC | AGCCGGAGAG | GCCGAGCGGG | GAGTGGGCGG | CCGGGCGGGA | GGATGGCGGA |
| 45 | 118981 | GAGAGAGAGA | GAGAGAGAGA | GAGGGGGGGG | GGGGGAGAGG | GAAAGCAACG | GGAAAGAGAG |
| | 119041 | GCGCGCGGAA | AAGCAGCAAG | AGGGGGGACG | GGGCGAGCCG | GGCAGAGTGC | GGAGCCCCCG |
| | 119101 | GAGCCCGCGG | CCGCAGCCGA | GCAGCGCCGC | GGGCTCCGGG | GCCGGGCGCG | GCCGGCAACG |
| | 119161 | CCCCCGCGCG | GCCGCGGCGG | AGAGAACCCC | TGTGTCAATTG | TTTACGTGGC | CGCGGGCCAG |
| | 119221 | CAGACGGGCC | GCGGGCCAGC | AGACGGGGCC | CGGCGCCAGC | GGCCACGCCC | TCCCGCCGCA |
| 50 | 119281 | TTAGGGCCCC | GCGGGCATCC | GGCGGCGCGG | CCCACGCCCT | TCCATTAAAC | ACTCCACGCT |
| | 119341 | TGGGGGGGGG | CGCGCCAGCT | GAGTGTCTCTG | CGGTTGCGGG | CGCCGTGCCC | GGAGATCCAT |
| | 119401 | TAAGCCGCGG | GAGAGCCCGA | GCCCCGCCCG | CGTGTGCTTG | TGGGCATTTC | TGCTGCGTCA |
| | 119461 | TCCCTGTCTT | TATAAAACCG | GGGGCGCGGC | AGCAACGAAC | GCAGGGGCCC | GCCGCCGATC |
| | 119521 | GAGAGGGACT | CCGGAGAAGG | AAGGCTGCTC | CGCGCACCCG | CGCGCCCTTC | TCCTCTCCCC |
| 55 | 119581 | TCCCTACCTC | CCCCTCTCTT | CCCCCTTTTT | TCCCCCGCCT | CCCGTCTTCT | TCCGCGCCTC |
| | 119641 | CGAGGGTCCG | CCTCTTGCCCT | CGGGGACCCC | CGGGCGGGCC | GGGGCTTGGC | CGCCGAGGTG |
| | 119701 | CGCCCCGGCC | GGAGGGGGCC | CCGCACCTCG | GCGGGCCGCC | CCTCCGGCGC | CGCGCGTTCTG |
| | 119761 | CGAAAGGCGC | GAAAGGGGCC | CCCGGAGGCT | TTTTTTCGATT | CCCGGCCGGG | GGTCCCGGGT |
| | 119821 | AGCCGCCCGG | CGCCGGGCGG | AAGGCGTCCC | CCGCCCGGCG | GTCCGGCCCC | GGCCCCCGGC |

| | | | | | | | |
|----|--------|------------|------------|-------------|------------|------------|------------|
| | 119881 | GGAGCGCGGG | GGCCCCGGGG | CCCCGGGCGG | CGCCGGGCGG | GTTTCCGCGT | TCCGTTTCTT |
| | 119941 | CTCCCTCCCC | GGCCGCCCCG | CTCCCGGGCC | CGACCCTCGC | CCCTTCCCTT | CTCCTCGTCT |
| | 120001 | TCCCCCGTCC | CGCCGCGCCC | CTTCCCTCTT | CCTTCTCTCT | CTCTGTCTCG | CTCTCCTCAC |
| 5 | 120061 | ATTTCCCCCC | CCCCCCCCCG | CCGCCGCGCG | CCTTTGCCCC | CGTCCCACCG | AGACGCCGCG |
| | 120121 | CCGCGTGAGC | CGTCCGCGCG | GGGACCCAGG | CTCCGGGGGG | GGGGGGCGCC | TGCGTGTGTC |
| | 120181 | TCGTGTGAGA | GAGCGCGCCC | CTCGAACGCC | GCGCGTTCTC | GCAGGTAGGT | TTAGGGTCGT |
| | 120241 | ACAGGTGAGC | TTCTGCTGAG | GCGGCGGGGA | GAGGGGGGGG | GGGCGGGCGG | AAGAGAGAAG |
| | 120301 | AGAGCAGGGG | TTGGGGGAGA | ACTGTTCTTC | CTCCCCCTTT | CAAGAAACAC | GAGGCGGGGG |
| | 120361 | TCCCAGAAAG | GGCAGGCAGG | TCAGCCGCAC | CGCCCGCGAG | CCAACCCGTA | TCCTTTTTTT |
| 10 | 120421 | CTAGGTGTTT | TTGTTTTTGT | TTCTGTTTTT | GTTTGTTTTG | TTATTATTTT | CGCGGATCCG |
| | 120481 | GCGTGTTCGG | ATCCACCCCC | CCTTCTCTCT | TCCTCTTCCC | TTCCACCCAC | CCCCGTTTCC |
| | 120541 | CCCCCCCCCG | TCGTGCTTCC | CGGGGGGGCA | GGCGCGGGTC | GGGCCCCGAC | GCCCACCGCC |
| | 120601 | CCCACGCGCC | GGTCACCCCC | CCCCAACAAAC | CCCAAAGGCG | CGTGCCCGGC | CACAGCCGTG |
| | 120661 | GGTGTGGCGC | CCGTCCCCCT | CCTCTACCGC | GTGGGCGCGG | GCGGGGGGGT | GGTGGTAGTG |
| 15 | 120721 | GTGGCGGAAG | GAAACGGGCG | GGGGGCCGGG | GCCGCTAGGG | AAAGGTAGGC | ACGCGCGCGG |
| | 120781 | TGTGTGACT | TGCATGCCCC | GCAAAACGCG | TCGTGTCTGT | TTGTGTCTGT | GTGGGCCGTG |
| | 120841 | TTGTGTTGGG | CCGTGTGGTG | TGGTGTGGTG | TTGCGAACGC | GCGAGCCCCC | TCGCCCCGAT |
| | 120901 | GGGAGTCTCC | CCGCAGCCAG | GGTAAGGAGG | GGCGGGCGTG | GCGGGCAGGT | GTGCGGGCGG |
| | 120961 | GGTGGGGTGA | GTGCGGTTGC | ATGCCCTCGG | TCTCCTCTTC | CTGCTCCTCC | TCCTTTCTCC |
| 20 | 121021 | CAGCCAGGGT | GAGGAGGGGC | GGGCGTGGCG | GGCAGGTGTG | CGGGCGGGGT | GGGCGCCGGG |
| | 121081 | GCGGGGGTGG | GCACGGGCGT | AAGTGCGGGT | GCATGCCTCG | GGTCTTCTCT | TCTCCCTCCT |
| | 121141 | CCTTCCCTCC | ACCCGTCCCC | GGGGGCAGAG | GGCGTGCATG | CGTTGTGATT | CAACCGCCCT |
| | 121201 | CGCCCCCGCC | CCACTTTCCC | CCCTCTCTAT | CAAAGTTCCC | TGGCCCCCTG | CTTCGCGCCG |
| | 121261 | GTGGTGCGGC | TGACCCCCCG | CCTCTCTCCT | CCCCGAGCCA | GGCGCCCTCC | CACTCTTGCC |
| 25 | 121321 | CACCACCCCC | AGGGTCTGGC | CGGCCAGACG | TCGTGTCTCT | GCACAGCTGC | GCCCCCTCC |
| | 121381 | CTGTCAACAC | GGACACACTC | TTTTTTTACC | CGCCAGCCAG | CCCGCCACCC | CACCAAGACA |
| | 121441 | GGGAGCCAGA | ACGAGGCCGG | GCCCCGGCTC | TGTTCTATGA | TAAAGACCAA | CAGGCCTCGG |
| | 121501 | GGGTGGGGGC | GGCTTCTCGT | GCCCGCCCCC | CCTCCTCCTC | CTCCCTTCCC | CCCCATCCCC |
| | 121561 | GGCCCCCCTG | CGCGGGGGAG | CTGCATCAAA | GGCCAACAAC | AAAGTGTGTC | AAAAGCATCA |
| 30 | 121621 | CAAAACTTTA | TTGTAAAAAT | TTTATAAAATA | TAAAGTTTTT | TTTTTCCTCA | AGTTTTCAAC |
| | 121681 | AAGGCCAGAA | AGTCCATAAC | AAAATGCTGG | TGTGTGTTGC | TGTTGCGGGC | CGTGTCCGTC |
| | 121741 | CCCCCCCCCC | ACTCCCACCC | CCACTTCCTG | TCTCCTCCCC | GTCTTTTCCC | CCCCCACCT |
| | 121801 | CCCCCTGCCC | CCGAGGCGCC | TCGGCCGGTG | GTCCGGTGGG | GGGCGGCTTC | CTTCGGGCAG |
| | 121861 | CAAGCCGAGT | GTTAGCTCCC | CCTACTCCCC | GTGGCCCGCG | GGGGCGCTCG | CGGCCGCGCG |
| 35 | 121921 | GGGCGCGCCC | TGCTCCCGAG | ACCACGGGTG | GCGCGACCGG | AGGCCGTGGA | AGTCCAGCGC |
| | 121981 | GCCCACCAGG | GTGCCCTGGT | CAAAGAGCAT | GTTGCCACCC | GGGGTCATCC | AGAGGCTGTT |
| | 122041 | CCACTCCGAC | GCGGGGGGCG | TCGGGTAGTC | GGGGGGCCTC | ACGCAGTTGC | GCGCGTGCTC |
| | 122101 | GGGGAGCAGG | GTGCGGCGGC | TCCACGCGGG | GGCCGCGGCC | CGCAGCAGGT | CCGCCACGTT |
| | 122161 | CCCCGTCTGG | TCCACGAGGA | CCACGTAGGC | CCCTATGTGG | CCCGTCTCCA | TGTCCAGGAC |
| 40 | 122221 | GGGCAGGCAG | TCCCCCGTGA | CCGTCTTGTT | CACGTAAGGC | GCCAGGGCCA | CGACGCTCGA |
| | 122281 | GACCCCCGCG | ATGGGCAAGT | AGCGCGTGAG | GCCGGGCGCC | GGGTGCGGGG | CCCCGGGCTC |
| | 122341 | GGGGCCGCCC | TCCGCGTGCC | GCGTCTTCTT | GGCACACTTC | CTCGCCCGCC | GCGGCGCAGC |
| | 122401 | AGCGCGGGGG | CCGAGGGAGG | TTTCTCGTCT | CTCCCCAGCG | CCGACGCGCT | AGCGGACGCT |
| | 122461 | CCCACCAGCC | CCGCCCGCAG | AGGAAGAGGC | GGAGGAGGAG | GAGGCGGAGG | AGGAGGAGGC |
| 45 | 122521 | GGAGGAGGAG | GAGGCGGAGG | AGGAGGAGGC | GGAGGAGGAG | GAGGCGGAGG | AGGAGGAGGC |
| | 122581 | GGAGGAGGAG | GAGGCGGCGG | CGACCGCGGC | CTGGGACGAC | GGAGACGCCG | ACGGGGGCGC |
| | 122641 | GGCGCCCGCG | GACGCCGGGG | CGAGCGGCCC | GTGGCCCGCG | TCGCCCGAGT | CCGAGTCCGG |
| | 122701 | GGCCCGGCGC | GGCGCCGCCC | TCTTGGCCCC | CACCCCTTGG | GGGGCGAGGG | GCGAGCGCGG |
| | 122761 | GGCGGCGGAG | GAAGAGGCGG | AGGACGAGGC | CGCGGGGCCC | GAGTCCGACC | CGCGCCTCTT |
| 50 | 122821 | CCGGGGGCGG | GCCGCGGCCC | CCTCCGCGGC | GTGGGGGGCG | GCACCGGGGG | TGTTGGTGCC |
| | 122881 | CCGGGGGACC | CCGGGTCCTC | CCTCCGCGCC | CGGCCCTCCC | GACCCGCGCG | CGTCGGTTCG |
| | 122941 | GCCTGCCCGG | CCCAGACTCT | GTGCTTGGGT | GTGCGTCTGA | GCCTGGGTCA | TGCGCGACCG |
| | 123001 | GGGCGCGCGG | TGCGCGTCCA | CCGGCACGGC | GGGCGGCGCG | GGCCCGGCCG | CGTCCGCGCT |
| | 123061 | CGCAGACACC | ACGGGGGCGG | CGGCGGCGCG | GGGCGGACTC | CGGACGCGCG | GGGCGACGGC |
| 55 | 123121 | CGCGCGGGGG | CGCGCGGCGC | GCCCCGACGA | CTGTGGCAGA | CCTCCCCCCC | CGGGGCCCGA |
| | 123181 | GGACACCTGT | GCGGAGGAGG | AGGAGACAAA | GGAGAGCGGC | CCGGGGCCCC | CGGGGCGGCG |
| | 123241 | CGGAGACGGC | GGGGGAGAGT | CGCTGATGAC | TATGGGGGGC | TCCTGGGCCG | CGCGGGGCTG |
| | 123301 | TCTCGCGGGG | GGCGTCTTGC | CCTCCGCGGC | CGCGGCGTCT | TCGCCACCCC | GCCGCGCCTG |
| | 123361 | CGCGCGCCCC | CCGCCGCGCG | CAGGGGGAAG | AGAGGCCACT | CTCGGCACGA | CGGCCGCGAC |

| | | | | | | | |
|----|--------|-------------|------------|------------|-------------|-------------|-------------|
| | 123421 | GGCAGGGCCG | CCCCCAGACC | CAGATCCAC | CCCCGCCCCG | AACGGGGCGC | CGCCGCTGCT |
| | 123481 | GCTGCTCCGC | GGGGCGCCAG | GGGGCGCCG | TCGGGTTCGCG | GCGGGCTGGG | AGGTTCGCG |
| | 123541 | GGTCGCCCC | GCACCGCCGC | CCCCCGCCG | GGGCGCTCTT | CGGGGGGCGG | GCGGGACGTA |
| 5 | 123601 | GTCCACTGCA | GAGGGAGACA | GAGACGGGAG | CCCCCGGTTA | GTGCCCCACC | CCCGCCCCGAC |
| | 123661 | CCCCGCCCCA | CCCCCGCCCC | ACCCCCGCC | GACCCCCGCC | CGACCCCCGC | CCGACCCCCG |
| | 123721 | CCCGACCCCC | GCCCCAGCCC | CGCCCCAGCC | CCGCCCCGCC | CCCGCCCCGAC | CCCCGCCCGC |
| | 123781 | CCTCACCGTC | GGCCAGGTCA | TGTCCTCGT | CGTCCGTGCC | GGGCCACGGG | GGGGTGGGCG |
| | 123841 | ACAGGGCGCG | GACCGTGTGT | CCCCCAGCG | ACAGGGAGCG | CGGGGCCGTC | CGCGGGTTGC |
| | 123901 | CCGTCCAGAT | AAAGTCCACG | GCCGTGCCGG | CCCGCACGGC | CGCCTCGGCC | TCCACGCGGG |
| 10 | 123961 | TCCGGGGGTC | GTTCACTATC | GGGATGGTGC | TGAACGACCC | GCTGGCGGTC | ACGCCACTA |
| | 124021 | TCAGGTACGC | CACCGGGGTG | TTGCACAGGG | GACACGTGTT | GCGCAACGGA | ATCCAGGTCT |
| | 124081 | TCATGCACGG | GATGCAGAAG | GGGTGCAGGC | AGGGAAAAC | CTGGCAGCGC | AGGGGCGGGG |
| | 124141 | CGATCTCGTC | CGTGCACACG | GCACACACGT | CGCCCCCCCC | TCCCGCTTCC | GCTTCCTCCT |
| | 124201 | CACCCACGGG | CCCACCCCCA | CAGGATCCCT | GCGCGTCGGC | GGGCGTGGG | CTGCCCTGGC |
| 15 | 124261 | GCTCGGCCGG | GGGCGGGGCC | GGGGCGTGG | CCGCGTCCAT | CAGGCGCGCC | TCAACATCT |
| | 124321 | CCGTGTCCGT | GCTGCCCGCC | TCGGAGGTGG | AGTCGCGGTG | AAGGTCGTCG | TCAGAGATT |
| | 124381 | CCACCTCGGT | CTCCTCCTCC | GAGTCGCTGC | TGGCGAGCCA | CTGCATGTGC | TTGAGCATCC |
| | 124441 | CCCAGGCGTG | CGGGGCGGCG | GGCTGCTTGA | CAAAGCAACG | GGGGGGATTT | AGAGGGCGCG |
| | 124501 | GGGCGTGAGG | CGGGACCCCC | GCGCCGTGTC | CCCCGTGTCC | CTCCCTCACC | CCGGCCCCCC |
| 20 | 124561 | GCCCCGCTGCT | TTTTGTTCGG | AAGGGGGGGA | GAAAGGGGTC | CGTAACCAA | GGTGCTCTGC |
| | 124621 | GTCCCTTTGGA | TTCCGACCCC | TCGTCTCCCC | CCCTGTCCCC | CGCTCTCGGG | CTCCTCCCTG |
| | 124681 | CCTCCCTCGC | CCCCCAGAG | GGTCGGGGGG | CGGCGCACGG | CCCACGGGGG | TCCCCCGACC |
| | 124741 | GCTTAAGCGG | GCCGGGGGTC | GGCCCCGTCA | AGCGTCCCCG | CCCCCGAGCC | CACCGCCCGC |
| | 124801 | GACCAACCCC | AACCCGACG | CGGGTGGTCC | GGGGAAAAGG | GGGGCCCTGA | GACCCGGGGG |
| 25 | 124861 | TCGCCCTCTC | ACCGTGCCGG | GGGTCTGCCG | CGGCGGCCGC | TCGGGGCCCG | GGTCCGCCCG |
| | 124921 | GGAGCTCGTG | CCGGGCCGGG | GTTCCATGAG | CCGGGGTAGG | GTAGACTCGA | GACGGCGGCC |
| | 124981 | CGCGGTCTCT | CTCTTGCCGG | GTTTTAGTCT | CTGTCTCTCC | GGGTCTCCTC | CTCCCGCCGG |
| | 125041 | GCCGCCGCTC | CGTCGCTCGC | AGTGCCGGGG | TGCGAATGCG | GCCCCACCGT | CACACGGGGC |
| | 125101 | TGCCTTATAC | CCGGCGCCTA | TCCACTCCCC | CAAAGGGGCG | GCATTTACGA | TTCCCCCAAT |
| 30 | 125161 | AGCCGCGCGC | CCCGGCCGGG | GCGGAGGGAG | GGAATCCCCC | CCTCTCGGGG | CGGCCCCGTC |
| | 125221 | CCCGGGGACC | AACCGGGTGT | ACTCCAAGAA | CCCCATTAGC | ATGCGCCGCC | CCCCGCCGAC |
| | 125281 | GCAGATGGGA | GTCCCCCCTG | CGCCCCCGCC | GCGCGGCCCT | GAGTGGTGCC | CGCCCCGGG |
| | 125341 | GAAAAATTCA | TTAGCATACT | AGGAAGCCCA | GGGGACCAAT | AGGGCCGAT | CAGCCACACC |
| | 125401 | ACCCGCGCGC | GCGCGAGGCT | CTGCGTGTTC | TGCCAAGAAA | GTAATCAGCA | TAACCCGGAA |
| 35 | 125461 | CCCCGAGGGA | GTAATTACGC | GGGGAGCGAG | GGGCCGTCCG | AACGTTTTTA | ATTACCATAA |
| | 125521 | GCGGGAATGG | CGGCCCGTTA | AAAGCTGCTA | ATTACCGCGA | GCGGGAACGC | CGGCCCATTA |
| | 125581 | AAAGTTGCTA | ATTACCATGC | GCGGGGATGG | CGGCCGGGAC | CGCCTATTAA | AAGTTTCTAA |
| | 125641 | TTACCATACC | GGGAAGCCGG | CGCGGGGCGG | TCGCCGGGGC | GGAGTCCGGG | CCCGCGCGGC |
| | 125701 | GGCGCGCGGT | TGGCCGGCGC | CGCCCCCTGG | GGCGGGCGGA | GCGGCGGGGC | GGCGCCGGGC |
| 40 | 125761 | CCTCGCGGAT | ATATACGCGG | GGCTCCCATC | GTCTCTTCGG | AGAGCGGCCT | CGCGCAGACC |
| | 125821 | TTCGGAGCTC | CGGGGCTCCG | CGGCGCGAGG | CCGCCCTCGC | CGGTTCAACC | CTAGCCGCC |
| | 125881 | CGACGCGCCG | GGCCCGCGGC | GCGCGAGGAC | CCGCGCGCCG | CCGCCCGGCG | CTGCTCCTCC |
| | 125941 | TCCGCGGGTC | CGCCGTCTTC | GTGGGCCCCG | GCTCGGGCTC | GGGCCCCGAG | TCGGGCCTCG |
| | 126001 | GGCTCCAGGC | ACGGTCCGAT | GACCGCCTCG | GCCGCGGCCA | CGCGGCGCCG | GAACCGGTTC |
| 45 | 126061 | CGGTCGGCCC | GCTCGCGCGC | CCAGGACCCC | CGTCGGGCCA | GGCGCGCGGC | CGTCTCCAG |
| | 126121 | GCCACCAGAT | GGCGCACCTG | CACGCGCGGC | GAGAAGCACA | CCTGCGGGCG | GGGAGACACG |
| | 126181 | GGGGTCGGAG | GGGCGTCAGG | GGGTCGGAGG | GGCGTCAGGG | GGTCCGAGGG | GCGTCAGGGG |
| | 126241 | GTCCGAGGGG | CGTCAGGGGG | TCGGAGGGGC | GTCAGGGGGT | CGGAGGGGCG | TCAGGGGGTC |
| | 126301 | GGAGGGGAGG | CGTACCTTCC | CGCGCGGCGC | GTCCGCGGGC | GGGGACGCGG | GGGGCCGCCG |
| 50 | 126361 | CCGGCGCAGG | CTCAGGCGCG | CCAGGTACTC | CGTCGTGGTG | CGCAGCCGTA | GCGCCAGGTG |
| | 126421 | GGGCGGAAGG | GGGCGCTCGC | GCCCGCGCTC | CTTGCGCGGC | GGCGGCGGGG | GGCAGGCGGC |
| | 126481 | GGCAGGCGCG | GCGTGCGGGG | CCTCCGGGCG | CTTCCCCCGG | CCCTCGCTCG | GGGGGCTGTT |
| | 126541 | CGCCCACTCT | GCGTCGTCTG | TGCCGGCGTA | GTCCGCGTCG | TCGCTGTCTG | CCGCCTGGGG |
| | 126601 | CACCAGCAGC | CAGCGCCGCA | GGAGCGAGGA | CGCGGCCCGC | GCGCTCTCGA | CCGCGGTTCC |
| 55 | 126661 | CGAGTCGTAC | GCAGGGACCA | TTTGGGAGTC | TGCGGTTGGG | AGCGCGCCCG | GGCGCGGCAC |
| | 126721 | GGCTGGAGCG | CCGGGGCGCG | GCACGGCTGG | AGCGCCGGGG | CGCGGCCGGC | GCCGGGGACC |
| | 126781 | CCGGCGGCGG | GGACCCCGGC | GGCGGGACAT | GGCGGGCGGC | TGGGCTCGGC | GTAGGCCCGG |
| | 126841 | AGCCGAGCGG | CGTCGGGGCG | GGAGAGTTCA | CTCGGCACGC | ATGCACGTGT | AACCGCCAGT |
| | 126901 | CCGTGCTTGC | CTAGCGAACT | CACCCGTCCC | GGCTGGCGTG | CGCAGCCCCG | GCCGTGTTGC |

| | | | | | | | |
|----|--------|-------------|------------|------------|------------|------------|-------------|
| | 126961 | GGGCCCTCTT | AAGGGGCGGC | GGCAGGACGG | GGACTCCCGC | CCCGCCTCTT | TTCCCCCGGG |
| | 127021 | GAGTCAACCC | CCGGGGGGGG | TGTTTTTTTG | GGGGGGGGCG | GAAGGCGGGC | GGCGGCGGGC |
| | 127081 | GGCGGGCGGC | AGGGCAGCCC | CGCGCGCCCC | CTTCCCCGTC | CCTCCCCCGG | AGCCGGCCGC |
| 5 | 127141 | TCCCCCGCGG | GCGCCGCCCC | TCCCCCGCGG | CGCCGCGGGG | CTGCCTTCCC | GCGGGCGCCC |
| | 127201 | CCGCGCGGCT | TTTTTCCCGC | GCCCGCCCCC | GCGCGGCAGG | ACGGGGACTA | GCAGGCTGTG |
| | 127261 | CCGCAGACCA | CCACACACTC | CCAAGCTCCC | CGCCCCCCCG | AAGACGCCAG | TCGCACCACC |
| | 127321 | GCTCGCCCTC | GCAGACCAGA | CAGTTGCACC | AAGCACCCGC | CCGCCCCGAC | ACGGTTCCCC |
| | 127381 | GCCACCCCTT | CCCTCCCTTC | CATCCCCGCG | AGCTCGCGGC | AGCCCCCTCC | CCCCGCGCGC |
| | 127441 | CACGGGGCTG | CGGTCCCGCG | GCCGCCTCCC | CCGCGGCCCG | CTCCCCCGCG | CCCCGCCCCG |
| 10 | 127501 | GGGGCTTCCC | CCGCCCTTCC | CCCCGCGCCC | GCGGCCCCGA | GCTCGCAGCA | GCCCCCTCCT |
| | 127561 | CCCGCGCCCC | GTGCCTTCCC | TCCCGCTCCT | GCGGGGGGGC | TCGGGCCACC | TGACCTTTCGT |
| | 127621 | AACCTGCACT | CAGGTCAGAG | CCCCAGACCC | CCCGCGGGCG | CGGGAGACGT | GCCGCCCGCC |
| | 127681 | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC |
| | 127741 | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC |
| 15 | 127801 | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC |
| | 127861 | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC | CGACCCCCGC | CCGCCCGACC | CCCGCCCCGC |
| | 127921 | CCACACAAGG | CGGTACGTTT | TGCTCTGTCT | CGTTCTTTAT | TTCTCACACA | CGCGCGCGGC |
| | 127981 | CATCGCCGCG | TCTGTCTTAA | AGGCGCACAG | ACGCCCGATT | CCTTCCCCCT | CTCCCCATCT |
| 20 | 128041 | CCCCCTCCC | CCGCTCCCGG | AAGTTTCCCC | CCCCGTCACT | CCCCAAACAG | TCCGTCGTCG |
| | 128101 | TCGTCTCCA | GCTCCGCGTC | CATGTCCACG | GGCTCGCGCC | TCGGCGGCGT | GGCCAGCCCC |
| | 128161 | GCGGCGGTCC | CCACCACCTC | CACGCCGCCG | CCCGCCGCGG | CCAGCACCGT | CCCCGCGCGG |
| | 128221 | CCCGCGGCCG | ACGCCAGCG | TATCTGCGGG | GGCGGGCCCC | CGTCCGCGTC | GTCGCGCAGC |
| | 128281 | ACCAGCGGGG | GCGCGTCGCC | GTCGGGCTCG | AGCAGCGCCC | GCGCGCAGAA | CTCCCCCGCG |
| | 128341 | GGCCCGCGCA | GCTCCGCGCG | GCCCGCGCGC | ACGGCGTCGC | GCCCCAGCGC | CACGTAGACG |
| 25 | 128401 | GGCCCGCGCG | GCGCGCCAGG | CGCCACGCGC | GCGCAGGCGC | GGTGCAGGTG | CGCCTCGTCC |
| | 128461 | TCGCAGAAAGT | CCGGCGCGCC | GGGCGCCATG | GCGTCGCCCG | CGCCCGAGGC | CGCGGCCCGG |
| | 128521 | CCGTCCAGCG | CCGGGAGCAC | GGCGCGGCGG | TACTCGCGCG | GGGACATGGG | CACCAGCGTG |
| | 128581 | TCGGGGCCGA | AGCGCGTGCG | CACGCGGTAC | CGCACGTTGG | CCCCGCGGCA | GAGGCGCAGC |
| | 128641 | GGCGGCGCGT | CGGGGTACAG | GCGCGCGTGC | GCGGCCTCCA | CGCGCGCGAA | GACCCCCGGC |
| 30 | 128701 | CCGAACACGC | GGCCGGAGGC | CAGCACGGTG | CGGCGCAGGT | CCCGCGCCGC | CGGCCAGCGC |
| | 128761 | ACGGCGCACT | GCACGGCGGG | CAGCACCTCG | CAGGCCAGGT | AGGCGTGCTG | CCGCGAGACC |
| | 128821 | ACGGGCCCCG | CGGCGGGCCA | GTCCGCGGCG | CGCACGGCGT | TGACGACGAT | GAGGCGGCGG |
| | 128881 | TCGAGGCGCG | CGGCCAGCAG | CCCCAGGAAC | TCCACGGCGC | CGGCGAAGGC | CAGGTCCCCG |
| | 128941 | GTGGACAGCA | GCAGCACGCC | CTGCGCGCCC | AGCGCCGAGA | CGTCGGGGGC | GCCGGTCCAG |
| 35 | 129001 | TTGCCCGCCC | AGGCGGCGGT | GGCGGGCCCC | CAGAGCCGGT | TGCCCAGGGC | CGCCAGCAGG |
| | 129061 | CAGGACAGCC | CGCCGCGCTC | GGCGGACCAC | TCCGGGGGGG | GCCCCCCCCC | GGCGCGGCCC |
| | 129121 | GCGGCCAGGT | CTTCGCCCCG | CAGCGGCGAG | TAGAGGATCA | CCACGCGCAC | GTCTTCCGGG |
| | 129181 | TCGGGCACCT | GGCGCATCCA | GGCCGCGCGG | CGGCGCAGCG | GGCCCGAGGC | GCGCAGCGGG |
| | 129241 | CCGAAGGCGG | CGGGCGCGCC | GCCGGGGGGG | GGGGCGGCGC | AGCGCGCGGC | CAGCGAGGCC |
| 40 | 129301 | AGCGCGCGCG | GGTCAACAT | GAGGGCCGGG | CGCCACGGCG | CGGGGAAGAG | CGGGTGGTCC |
| | 129361 | GTGAGCTCGG | CCACGGCCCC | CGGGGCGCAG | TAGGCTTCCA | GGGCGGCGGC | CGAGGGCGCC |
| | 129421 | GGCGTGTGGC | TGGGCCCGCG | CGGCTGGCGG | CGCCAGCCGC | CCTGCGGGTC | GGGGCCCTCG |
| | 129481 | GCGGGCCGGC | GGGTACAGCG | CGCGGGGCGC | GGCGGCGCGG | GCGGCGCGCG | CGCGGGGCGC |
| | 129541 | GGGGGCGCGG | CCCCGCGGGG | AGGGGCGGCC | GCGGGGCGGG | GGGCGTCCCG | GCGGCTCTTC |
| 45 | 129601 | TTCGGGGGGG | GCGGGGCGCC | GCCCGGCGGC | GCCCTGGCCG | GGGCGGGGCT | CTTGCGCTTG |
| | 129661 | CGCGCTTCCC | GCGGCGCGGA | GGCGGGCGCG | GCGAGCGAGT | CGGCGCGGGC | GACGGTGTCT |
| | 129721 | GCCAGCAGGG | GGCGCAGGCT | CTGGTTCTGG | AAGAGCAGGT | CCGCGGCGGC | GGCGGCGGCG |
| | 129781 | GAGCTCAGCA | GGCGCGGGCT | CCGCGGCGAG | GCCGGGCCCA | GGGCCCCGGC | GACCAGGCTC |
| | 129841 | ACGGCGCGCA | CGGCGGCCAC | GGCGGCCTCG | CTGCCGCCGG | CCACGCGCAG | GTCCCCGCGC |
| 50 | 129901 | AGGCGCATCA | GCACCAGCGC | GTCGCGCAGC | AACCGCAGCT | CGCGCAGCCA | GGCGCGCAGG |
| | 129961 | CGGGGCGCGT | CGGCGTGGCG | CGGGGCGGCC | GCGCCGCGCG | GCCCCGGGCG | CGGGGGCGCG |
| | 130021 | GCGGGCCGGG | CTCCGGCCAG | CCCGGCGACG | GCCGCCAGGT | CGCCGTCGAA | GCCCTCCGCC |
| | 130081 | AGCGCTTCCA | GGATCCCGCG | GCAGGCGGCC | AGGCACTCCA | CGGCCACGCG | GCCCCGCTCC |
| | 130141 | GCGCGCCGGC | CGCCGCCACC | ACCGCCGGCG | CCGTCGTCGT | CGTCGTCGTC | GTCGGCCCCG |
| 55 | 130201 | GCCGGCGCGG | AGGCGGGCGC | GGCGCTCAGG | CGCCCCAGGG | CGGCGAGCAC | CCCCGCGGCG |
| | 130261 | CCGTAGCCCG | CGGGCACCGC | GCGCTCGTCG | GCCGGCGACG | CCGCCGCCGA | CGGCAACGGG |
| | 130321 | GCGGCGGCGG | CGGCGGGCTT | CCCGCGGGCG | TCGTGCGCGT | CGTGGCGGTT | GGCGTCGCGG |
| | 130381 | CCGTGTCGCG | GGGTTTCGCG | CCCGGTCAGC | GCCGCGTTCT | CGCGCGCCAG | CAGGGGCGCG |
| | 130441 | TAGGCGCGGC | GCAGGCTGGT | CAGCAGGAAG | CCCTTCTGCG | CGCGGTCGTA | GCGGCGGCTC |

| | | | | | | | |
|----|--------|-------------|------------|------------|-------------|-------------|------------|
| | 130501 | ATGGCCACGG | CGGCCGCCAC | GTGCGCCAGG | CCCCAGCCGA | AGCGGCCCCG | CGCCATGGCG |
| | 130561 | TACCCACAGG | GGGGCACGGC | CCGCGCCACG | CTGCCCGGAGA | TGAAGGAGCT | GCTGTTGCGC |
| | 130621 | GCCGCGCCCG | AGATCCGGAA | GCAGGCCTGG | TCCAGCGCCA | CGTCCCCGGG | CGCCACGCGC |
| 5 | 130681 | GGGTTCTGGA | GCCACCCCAT | CGCCTCCGCG | TCCGGCGTGT | ACAGCAGCCG | CGTGATCAGG |
| | 130741 | GCGTACTGCT | GCGCCGCGTC | GCCCAGCTCG | GGCGCCACAA | CGGGCGCCGG | GGCGCCCGAG |
| | 130801 | GCCTCGAACC | GGGCCCGCGC | CTCCTCCGCC | TCGGGCGCCC | CCCAGAGGCC | GGGGCGGCTG |
| | 130861 | TGCCCCAGCC | CGCCGTACAG | CACGCGCCCC | GGGGGCGGGG | GGCCGCCCCC | GGGCCACGGC |
| | 130921 | TCCCCGCTGA | CGTACCCGTC | GCGGTAGCGC | GCGTAGAAGG | CGCCGGAGGC | CGCGTCGGCG |
| | 130981 | TCCAGCTCGA | CCCGCCGGGG | CCGCCCGGCC | GTGAAGCGGC | CCGTGGCGTC | GCGGCCGGCC |
| 10 | 131041 | ACCGCCGCGC | GGGCCCGGCG | GCGCTCCAGG | CGGCCCGCGG | TCGCCGCGGG | GGTCCGGGCC |
| | 131101 | GGGGCGGGCT | CGGCCCTGGG | CGGGCTCGGC | CGGGGCGCCG | CCCCCGGGGC | CCTCGCGGGC |
| | 131161 | ACCCCCGCCT | CCTCGTTCGT | CGCGCCGAGG | GTCCCCGCCG | CGGCGTGGTC | TGCGGCGCTG |
| | 131221 | GCGGGGGCGC | GGGCGGCGTC | GTGCTCGTCC | TCGTCGTCAG | ACGAGGAGGC | GGATGCAGAC |
| | 131281 | GAGGAGGAGG | AGGCGGAGGA | GGAGGCGGAG | GACGCCGACG | ACGAGGATCC | GGATTTTGAT |
| 15 | 131341 | GAGTCAGAGG | CGGCCGAGCG | CCGGCGGGGG | GCGCGCCGGC | GGCGGTGGTG | GTGGTGGTGG |
| | 131401 | TGGTGTGCGC | GGGGCGCCGG | GGGTGCGCGC | GACAGGCTGG | CCATGGGGTC | CGGGTACGCC |
| | 131461 | CCGCGGACCG | CGGACGTCGT | CTCCGGTCCG | CGGACCCAGC | GGCCCCGCGC | GCGGTGCTCG |
| | 131521 | TCATCGTCGT | CGTCGTGCTC | GTGCTGCTTC | TCCTCGCCAT | AATCGGCGCG | CATGGAGGGG |
| | 131581 | GTCCGCGGCG | GAGAAGGCGA | GCGGGCCGCT | TCTTCTTGCG | CGCCGTGCGC | CTCCGGGGGG |
| 20 | 131641 | GGCGACGGGA | TCGTGCGAAC | GGCCTCGTCC | ACCATCGAGG | CCAGCAGGGC | CAGCTGCCGC |
| | 131701 | GGCGAGACGA | CGCCGTCCGC | GGCAGGCTCG | TCGACGGCCT | CCCCGGACGC | CGGGGCCGCC |
| | 131761 | TCGTGCGCAT | CGGCATCGGC | GGCGGCGTCG | TCGGCCTCGT | CTTCGTTCTC | CTCCGGCCCA |
| | 131821 | CCGTGCCACC | CGAACCCGGG | CCGCGCGGCG | GGGCGACGGT | CCGGGTTCCG | GGTGGGCGGC |
| | 131881 | GGTCCGTCGG | CTGGATCCGG | AGATCCGGGG | CCGCCGGTCG | TCTCCGCCCG | GGCCCGGAGA |
| 25 | 131941 | CGTCCCCGCT | CCTCGTCCGC | CATCGCGACC | TCGGCCCCGC | GGCCCTGCGT | CGTCTGCTCG |
| | 132001 | GTCTTCTTCT | TCTTCCGCTG | CTCCGCCGAC | ATCGCCTCCG | ACCGGGGTGT | GCGGGGGGGG |
| | 132061 | GGTCTTCTTC | TTCTTCTTCA | GGGGCGGCAG | TGGGGGGGGG | TGGTTGGCAG | TCTCTCTCCC |
| | 132121 | CCCCGTGCGG | TGCGTGCGTG | TGCCTGTGTC | TTTTCGCCTC | TCCGCGCCGA | TCGGGTAGAT |
| | 132181 | CCTGGCGGCC | GCGTCGGTAG | CCGCGCTCCG | TGTGGACGAT | CGCCCCGTGC | CCTGGCTGAT |
| 30 | 132241 | ATAGTCCTCG | GGGCGCGCGG | GGCGGGGGGA | AAGGAGGAGG | ACGCGGAGGA | GGAGCGATCG |
| | 132301 | ACGCCGCCCG | GCCCCGGCTC | GCCGGGGTTC | CGCCCCCAGG | TGGAACCGCA | TTATGCGCGG |
| | 132361 | CCCCGCCCCG | ACGCCCGCGC | GTCCGCGTCC | GTGGCGGCGG | CCCGTTGGTC | GCGCCGCCGC |
| | 132421 | CGCTCCGCCC | GCGCGGCATC | TCATTAGCGC | CCTGGCGGGG | CGGCTTCCGC | TTCCGCCCGC |
| | 132481 | GATGCTAATG | AGACCCTCGT | CGCGGGCGGG | CTCGCTCCCC | TGCCCTTCCG | GGTTCGTGGT |
| 35 | 132541 | AATGAGATGC | CGGCCCCGCG | CTCCCGTTGG | CCCCCGCCGG | CCCCAAAGGG | GCCGGCGAGG |
| | 132601 | TCGCCCCGTT | GGTCCGCGGG | CGGCTCCGCC | CCAAAGGGGG | CGGGGCCGCA | GGGTAAGAGA |
| | 132661 | AGTGAGAACG | CGAAGCGTTC | GCACTTCGTC | CTAATAGTAT | ATATATTATT | AGGGCAAAGT |
| | 132721 | GCGAGCGCTG | GCGCCCTGCC | CGGGGCCCGC | GTCATCCCGC | GCTCCGCCCC | AAAGGGGGCG |
| | 132781 | GGGCCGACAG | GTAAAGAAG | TGAGAACGCG | AAGCGTTCCG | ACTTCGTCCT | AATAGTATAT |
| 40 | 132841 | ATATTATTAG | GGCAAAGTGC | GAGCACTGGC | GCCCTGCCCC | GGGCCCCGCT | CATCCCGCGG |
| | 132901 | GCTCCGCCCC | GAGGCGGGCC | CGGACGGGGG | GCGGGCCGTT | CCTCGCGCAC | ATAAAGGGCC |
| | 132961 | GGCGTCCCGG | TCGCCGCCCG | ACCAGGGGCA | CACCGGCTGC | GCGGCGGAGA | CCGGGACGGC |
| | 133021 | AGCGGCGGCA | TCGCGAAGGG | GGCCACAGCG | AGACAGAGAC | CCCGCGGCGG | AGCGGGGCAC |
| | 133081 | CGACGCACCC | GGATCGGATC | GGATACAGAG | ACGCGGGCGC | ATCGGTTCCCT | TTTCGTTCTG |
| 45 | 133141 | CCTTTCCCTC | CCCCCCCCCC | CCCCCACCC | TGTACGTACC | GCGAGGACCC | ATCCACCCAC |
| | 133201 | TGCAGCCTTA | TCGCAGGTAC | GGTGACCCGG | GGGGCCGGCC | GGGGGGACGG | GCGGGGGACG |
| | 133261 | GGGGGACGGG | CCGGGGGGAC | GGGCGGGGGG | GACGGGCCGG | GGGGACGGGC | CGGGGGGACG |
| | 133321 | GGCCGGGGGG | ACGGGGCCGG | GGGACGGGCC | GGGGGGACGG | GCCGGGGGGA | CGGGCCGGGG |
| | 133381 | GGCCGGGGGG | CCGGGGGGCC | GGGGGGCCGG | GGGGACGGGG | GGACGGGGGG | ACGGGGGGAC |
| 50 | 133441 | GGGGGGACGG | GGGGACGGGG | GGACGGGGGG | ACGGGGGGAC | GGGGGGACGG | GGGGACGGGG |
| | 133501 | GGACGGGGGG | ACGGGGGGGG | GGGGGGACGG | GGGGACGGGG | GGGGGGCCGG | GGGGGACGGG |
| | 133561 | GGGACGGGCC | GGGGGGACGG | GGGGACGGGC | CGGGGGGACG | GGGGGACGGG | CCGGGGGGAC |
| | 133621 | GGGGGGACGG | GCCGGGGGGA | CGGGGCCCCG | ATCCCAACAT | CCGCGCTTTC | TCGCAGGCCG |
| | 133681 | GGCGCCGCCCT | TCGTGGACGG | GACACCGGTG | TGGTAACTGG | CGACAAGGCG | TTGCCACTAT |
| 55 | 133741 | GGCAGACATC | CCCCCGGACC | CGCCCGCGCT | CAACACGACG | CCTGCGAATC | ATGCTCCCCC |
| | 133801 | ATCCCCACCC | CCGGGTTTAC | GGAAGCGCAG | ACGCCCCGTC | CTCCCCAGCT | CGTCGGAATC |
| | 133861 | TGAGGGTAAG | CCCGACACAG | AATCGGAATC | CTCCTCGACC | GAGTCGTCCG | AGGATGAGGC |
| | 133921 | GGGAGACCTA | CGCGGCGGGC | GCCGTGCTTC | CCCGCGGGAG | CTCGGGGGGA | GGTATTTTTT |
| | 133981 | GGATCTGTTC | GCAGAATCGA | CCACGGGGAC | GGAATCGGAG | GGAACGGGGC | CGTCGGACGA |

| | | | | | | | |
|----|--------|------------|------------|-------------|-------------|-------------|------------|
| | 134041 | CGATGATGAT | GATGCGTCAG | ACGGCTGGTT | GGTTGACACA | CCCCCCGCA | AATCCAAGCG |
| | 134101 | ACCCCGAATC | AACCTGCGAT | TAACGAGCTC | CCCCGACCGG | CGTGCGGGTG | TGGTTTTCCC |
| | 134161 | CGAGGTGTGG | AGAAGCGACA | GACCTATCCG | CGCGGCGCAA | CCCCAGGCCC | CGGCCAGTCT |
| 5 | 134221 | TCCGGGGATC | GCGCACGCGC | ACGGGCGCTC | TGCTCGCCAG | GCCCAGATGC | GGAGCGGAGC |
| | 134281 | CGCCTGGACG | CTTGATCTGC | ATTACATACG | CCAGTGCGTC | AACCAGCTCT | TTCCGATCCT |
| | 134341 | GCGTGCCGCC | CCGAACCCGC | CCGGCAGCGC | CAACCGCCTG | CGCCACCTGG | TGCGAGACTG |
| | 134401 | CTACCTCATG | GGCTACTGCC | GGACCCGCCCT | GGGGCCGCGC | ACGTGGGGGC | GCCTGCTGCA |
| | 134461 | GATCTCGGGC | GGAACCTGGG | ACGTGCGCCT | GCGAAACGCA | ATCCGGGAGG | TCGAGGCGCA |
| | 134521 | TTTTGAACCC | GCCGCCGAGC | CCGTGTGCGA | GCTGCCCTGT | CTGAACGCCA | GGCGTTACGG |
| 10 | 134581 | CCCCGAGTGT | GATGTTGGCA | ATCTCGAGAC | CAACGGCGGC | TCGACGAGCG | ATGATGAGAT |
| | 134641 | ATCGGATGCG | ACGGACTCGG | ACGATAACCT | CGCGTCCCAT | TCCGACACGG | AGGGGGGGCC |
| | 134701 | CTCCCCGGCC | GGCCGGGAGA | ACCCGGAATC | CGCGTCCGGC | GGGGCTATCG | CGGCTCGGCT |
| | 134761 | GGAGTGTGAG | TTTGGGACGT | TTGACTGGAC | GTCCGAGGAG | GGCTCCCAGC | CCTGGCTGTC |
| | 134821 | CGCGGTGGTC | GCCGATACCA | GCTCCGCCGA | ACGCTCTGGC | CTACCCGCCC | CGGGCGCGTG |
| 15 | 134881 | TCGCGCAACG | GAAGCCCCAG | AACGCGAGGA | CGGGTGCCGA | AAAATGCGCT | TCCCCGCCGC |
| | 134941 | CTGCCCCAT | CCCTGCGGCC | ACACATTTCT | CCGGCCATGA | GCGCGGGACC | CCCAGCCCCG |
| | 135001 | TGTGTTTGCC | AAACGAAAAA | TAAACGCCCT | ACAAGAAAGC | TTTTGTGTCT | GAGTGTCTGG |
| | 135061 | TTTTTCTGGG | GGTGGAGGAA | GGAACGACAA | AAAAAAGAAA | CAAACGCGAC | ACCGCTCGTA |
| | 135121 | CGTGTAATGG | GGCCGCAGTG | TTTTTTATTA | GCATCGGGGG | GGGTTAGAGG | TTGGTGATTG |
| 20 | 135181 | GATAGCAAAC | GTGGGATGAC | GGAGGCCACT | CGTCGCCAAC | GGCCAGCGGG | GGCCCGGGGT |
| | 135241 | TCTGGGGGTC | ATCGTCCCCC | GTCTGCCAGG | AGGGCTCATC | GGGAATCTCG | GGTCGCCCCA |
| | 135301 | TGCACGTAAA | ACACGGGCGC | TGCGTGGGGT | GGGTCGCCGG | ATGCGGGCGG | GATGATGCGG |
| | 135361 | GGCGGGGTTT | GTTGTGAGGA | GCCACGAGGG | ACCGTAGCCA | GCGAAGACAG | CTGCGTTCCC |
| | 135421 | GGTCGCCGGG | CACCACCACG | CCGTATTGTT | ATTCGTATCG | GCTAAGGAGA | TTTTCAGGG |
| 25 | 135481 | GGTGATTAGG | CGCTGCGGGG | AACGGGGTCC | ACGACACGGT | CCGCTCGGGC | CCGATCCGAT |
| | 135541 | CGGGCAGGGG | CCACGGTTCC | CCCACCCACG | CGTCGTTGGT | CTTCGTGGCG | ATGAAGCGAA |
| | 135601 | ACCCAGCCCG | GGTTTTTTGT | GCGTACTCGA | AAAACGGCAC | ACACAGGTCC | GCCGCCCCGA |
| | 135661 | CCACCCACAG | GTGGTATAGC | CGGTGGGGGC | CGGGGCGCTC | TTGATGCAGG | AGCCGAAAAC |
| | 135721 | ACGCAGGGGC | ATCCAGAATC | TCGATGCTTT | CCAGGGGGTC | GTCTCCGCA | AACAGGCCCG |
| 30 | 135781 | TCGTGGTGTT | TGGGGGACAG | CGACAGGAGC | GGGTTCGCAC | GATCGGTCGG | GTGAATTTGG |
| | 135841 | GCAAGTCCAT | CAGAGGCTCG | GCCAGCCTGC | GAAGGTTCGC | CGGGCGAACC | ACCACCGGGG |
| | 135901 | TTCCAGAGAG | CTCGGAGGCC | AGGATCCGGC | ATTGCCGAAG | CAGAAAATC | CACAGAGCCG |
| | 135961 | GGCTTCGCTC | AGCGGAAGTC | CGCGGCAGGG | CGTTTCGTTG | GTCTAGGAGG | GTAACACAC |
| | 136021 | TTACAACAAC | AACGCCCATG | TCGGTATATT | AGGCCCGTGG | TCCGATCTTC | ACTCACTCGC |
| 35 | 136081 | CTGTCTGCGG | ACCTATGCAC | GGCGGGACGG | CGCGCGGACC | CGGGGGGGCT | GCTTGCTATC |
| | 136141 | ACACGGCCCG | TTCGCACGTT | CGATTTTTTC | AGCCTTGTTT | GGTTGGCTAG | GTATCCCGGA |
| | 136201 | TAATCTGACG | TTCCGGATAT | AGGGGGCGGG | GGGTAGTGGG | GGGTGTGTCT | ACAAACTGCC |
| | 136261 | GCTTCTTAAA | ACACCGGGGC | CCGTGCTCTG | GGGTGCTCGT | TGGTTGGCAC | GCGCGACGCG |
| 40 | 136321 | GCAAATGGCC | TGTCGTAAGT | TCTGTGGGGT | CTACCGTAGA | CCCGACAAGA | GACAGGAGGC |
| | 136381 | GTCCGTCCCG | CCGGAGACAA | ACACGGCCCC | GGCCTTCCCG | GCGAGCACCT | TTTATACCCC |
| | 136441 | CGCGGAGGAT | GCGTACCTGG | CCCCCGGGCC | CCCGGAAACC | ATCCACCCTT | CCCGCCCACC |
| | 136501 | GTCCCCCGGC | GAGGCTGCGC | GCCTGTGTCA | GCTGCAGGAG | ATCTTGCCCC | AGATGACACG |
| | 136561 | CGACGAGGAC | TACCCCATCG | TGGACGCCGC | GGGTGCGGAG | GAGGAAGACG | AAAAACCGCA |
| | 136621 | TGACGCCCCG | GATGACGTGG | CCTACCCGGA | GGACTACGCG | GAGGGGCGTT | TTCTGTCCAT |
| 45 | 136681 | GGTTTCGGCC | GCCCCCTGCG | CCGGAGCCAG | CGGCCATCCT | CCTGTTCCGG | GCCGCGCAGC |
| | 136741 | CCCCCCCGAC | GTCCGGACCT | GCGACACGGG | TAAGGTGGGG | GCCACGGGGT | TCACCCCGGA |
| | 136801 | AGAGCTCGAC | ACCATGGACC | GGGAGGCAC | TCGGGCCATC | AGCCGCGGGT | GCAAGCCCCC |
| | 136861 | TTCCGACCTG | GCAAAACTGG | TGACCGGGCT | GGGATTTCGCG | ATCCACGGAG | CGCTCATCCC |
| | 136921 | GGGGTCGGAG | GGGTGTGTCT | TTGATAGCAG | CCACCCGAAC | TACCCCTCATC | GGGTAATCGT |
| 50 | 136981 | CAAGGCGGGG | TGGTACGCCA | GCACGAGCCA | CGAGGCGCGG | CTGCTGAGAC | GCTTGAACCA |
| | 137041 | CCCCCGGATC | CTACCCCTCC | TGGACCTGCA | CGTCGTTTCT | GGGTCACG | GTCTGGTCCT |
| | 137101 | CCCCAAGTAT | CACTGCGACC | TGTATACCTA | TCTGAGCAAG | CGCCCGTCTC | CGTTGGGCCA |
| | 137161 | CCTACAGATA | ACCGCGGTCT | CCCGGCAGCT | CTTGAGCGCC | ATCGACTACG | TCCACTGCAA |
| | 137221 | AGGCATCATC | CACCGCGATA | TTAAGACCGA | GAACATCTTC | ATCAACACCC | CCGAGAACAT |
| 55 | 137281 | CTGTCTGGGG | GACTTTGGGG | CGGCGTGCTT | TGTGCGCGGG | TGTCGATCGA | GCCCCCTTCA |
| | 137341 | TTACGGGATC | GCAGGCACCA | TCGATACAAA | CGCCCCCGAG | GTCTTGGCCG | GGGATCCGTA |
| | 137401 | CACCCAGGTA | ATCGACATCT | GGAGCGCCGG | CCTGGTGATC | TTTGAGACCG | CCGTCCACAC |
| | 137461 | CGCGTCCCTG | TTCTCGGCCC | CGCGCGACCC | CGAAAGGCGG | CCGTGCGACA | ACCAGATCGC |
| | 137521 | GCGCATCATC | CGACAGGCCC | AGGTACACGT | CGACGAGTTT | CCGACGACG | CGGAATCGCG |

| | | | | | | | | |
|----|--------|------------|------------|-------------|--------------|------------|------------|------------|
| | 137581 | CCTCACC | GCG | CGG | GCGGC | CGGGAACAAT | CGTCCGGCGT | GGACCCGACC |
| | 137641 | GGCGTGGACC | CGCTACTACA | AGATCCACAC | AGACGTCGAA | TATCTCATAT | GCAAAGCCCT | |
| | 137701 | TACCTTTGAC | GCGGCGCTCC | GCCCAAGCGC | CGCGGAGTTG | CTGCGCCTGC | CGCTATTTCA | |
| 5 | 137761 | CCCTAAGTGA | CCCCGCTCCC | CCCGGGGGGGC | GTGGAGGGGG | GGGCTGGTTG | GATGTTTTTG | |
| | 137821 | CACAAAAAGA | CGCGGCCCTC | GGGCTTTGGT | GT'TTT'TGGCA | CCTTGCCGCC | CGGCGTCATG | |
| | 137881 | CACGCCATCG | CTCCCAGGTT | GCTTCTTCTT | TTTGT'TCTTT | CTGGTCTTCC | GGGGACACGC | |
| | 137941 | GGCGGGTCGG | GTGTCCCCGG | ACCAATTAAT | CCCCCAACA | GCGATGTTGT | TTTCCCGGGA | |
| | 138001 | GGTTCCCCCG | TGGTCCAATA | TTGT'TATGCC | TATCCCCGGT | TGGACGATCT | CGGGCCCTTG | |
| | 138061 | GGTTCCGCGG | ACGCCGGGCG | GCAAGACCTG | CCCCGGCGCG | TCGTCCGTCA | CGAGCCCTTG | |
| 10 | 138121 | GGCGCTCGT | TCCTCACGGG | GGGGCTGGTT | TTGCTGGCGC | CGCCGGTACG | CGGATTTGGC | |
| | 138181 | GCACCAACG | CAACGTATGC | GGCCCGTGTG | ACGTACTACC | GGCTCACCCG | CGCCTGCCGT | |
| | 138241 | CAGCCCATCC | TCCTTCGGCA | GTATGGAGGG | TGTCGCGGCG | GCGAGCCGCC | GTCCCCAAAG | |
| | 138301 | ACGTGCGGGT | CGTACACGTA | CACGTACCAG | GGCGGCGGGC | CTCCGACCCG | GTACGCTCTC | |
| | 138361 | GTAAATGCTT | CCCTGCTGGT | GCCGATCTGG | GACCGCGCCG | CGGAGACATT | CGAGTACCAG | |
| 15 | 138421 | ATCGAACTCG | GCGGCGAGCT | GCACGTGGGT | CTGTTGTGGG | TAGAGGTGGG | CGGGGAGGGC | |
| | 138481 | CCCGGCCCCA | CCGCCCCCG | ACAGGCGGCG | CGTGCGGAGG | GCGGCCCGTG | CGTCCCCCG | |
| | 138541 | GTCCCCGCGG | GCCGCCCGTG | GCGCTCGGTG | CCCCCGGTAT | GGTATTCCGC | CCCCAACCCC | |
| | 138601 | GGGTTTCTGT | GCCTGCGTTT | CCGGGAGCGC | TGTCTGCCCC | CACAGACGCC | CGCCGCCCCC | |
| | 138661 | AGCGACCTAC | CACGCGTCGC | TTTTGCTCCC | CAGAGCCTGC | TGGTGGGGAT | TACGGGCCGC | |
| 20 | 138721 | ACGTTTATTC | GGATGGCACG | ACCCACGGAA | GACGTCGGGG | TCCTGCCGCC | CCATTGGGCC | |
| | 138781 | CCCGGGGCCC | TAGATGACGG | TCCGTACGCC | CCCTTCCCAC | CCCGCCCGCG | GTTTCGACGC | |
| | 138841 | GCCCTGCGGA | CAGACCCCGA | GGGGGTCGAC | CCCGACGTTT | GGGCCCCCGG | AACCGGGCGG | |
| | 138901 | CGCCTCATGG | CTTGACCGA | GGACACGTCC | TCCGATTTCG | CTACGTCCGC | TCCGGAGAAG | |
| | 138961 | ACGCCCCCTC | CTGTGTCCGG | CACCGCCATG | GCACCTTCAG | TCGACCCAAG | CGCGGAACCG | |
| 25 | 139021 | ACCGCCCCG | CAACCACTAC | TCCCCCGAC | GAGATGGCCA | CACAAGCCGC | AACGGTCGCC | |
| | 139081 | GTTACGCCGG | AGGAAACGGC | AGTCGCCCTC | CCGCCCCGCA | CTGCATCCGT | GGAGTCGTCT | |
| | 139141 | CCACTCCCCG | CCGCGGCGGC | GGCAACGCCC | GGGGCCGGGC | ACACGAACAC | CAGCAGCGCC | |
| | 139201 | TCCGCAGCGA | AAACGCCCCC | CACCACACCA | GCCCCACGA | CCCCCCCGCC | CACGTCTACC | |
| | 139261 | CACGCGACCC | CCCGCCCCAC | GACTCCGGGG | CCCCAAACAA | CCCTTCCCGG | ACCCGCAACC | |
| 30 | 139321 | CCGGGTCCGG | TGGGCGCCTC | CGCCGCGCCC | ACGGCCGATT | CCCCCTTCAC | CGCCTCGCCC | |
| | 139381 | CCCGCTACCG | CGCCGGGGCC | CTCGGCCGCC | AACGTTTTCG | TCGCCGCGAC | CACCGCCACG | |
| | 139441 | CCCGGAACCC | GGGGCACCGC | CCGTACCCCC | CCAACGGACC | CAAAGACGCA | CCCACACGGA | |
| | 139501 | CCCGCGGACG | CTCCCCCCGG | CTCGCCAGCC | CCCCCACCCC | CCGAACATCG | CGGCGGACCC | |
| | 139561 | GAGGAGTTTG | AGGGCGCCGG | GGACGGCGAA | CCCCCGAGG | ACGACGACAG | CGCCACCGCC | |
| 35 | 139621 | CTCGCCTTCC | GAACTCCGAA | CCCCAACAAA | CCACCCCCCG | CGCGCCCCGG | GCCCCATCCG | |
| | 139681 | CCCACGCTCC | CGCCAGGAAT | TCTTGGGGCC | CTCGCCCCCA | ACACGCCTCG | CCCCCCCCGC | |
| | 139741 | CAAGCTCCCG | CTAAGGACAT | GCCCTCGGGC | CCCACACCCC | AACACATCCC | CCTGTTCTGG | |
| | 139801 | TTCCTAACGG | CCTCCCCTGC | TCTAGATATC | CTCTTTATCA | TCAGCACCAC | CATCCACACG | |
| | 139861 | GCGGCGTTCC | TTTGTCTGGT | CGCCTTGGCA | GCACAACTTT | GGCGCGGCCG | GGCGGGGCGC | |
| 40 | 139921 | AGGCGATACG | CGCACCCGAG | CGTGCGTTAC | GTATGTCTGC | CACCCGAGCG | GGATTAGGGG | |
| | 139981 | GTGGGGGTGG | GGGGCGAGAA | ACGATGAAGG | ACGGGAAAGG | GAACAGCGAC | CAAATGTCAC | |
| | 140041 | GATAAGAACA | ATAAACCTGT | GACGTCAATC | AGATATGTGA | GTTTGGTTGT | GTTTTGTGGG | |
| | 140101 | ACTGGGGGCG | GGGGGTGGGA | GGTATCAGTG | GGTGACAGAG | TCTTTTAAAA | GACGTGTCCC | |
| | 140161 | GGGGCCCTCG | AGATGCGCAA | CTTTTGGCCA | CACAGAGAAA | GGCCCCCAGA | CGAAGTCACC | |
| 45 | 140221 | CGGGTCCCCG | AACAAAAACA | AAAACCTTGA | CCGCCGCCGG | GGGGCGTGCC | TGTTGTTTTG | |
| | 140281 | GTCTCAATGG | ATCGGTATGC | CGTTCGGACC | TGGGGGATTG | TGGGAATCCT | CGGGTGTGCT | |
| | 140341 | GCTGTTGGGG | CCGCACCCAC | CGGCCCCGCG | TCCGATACAA | CAAACGCGAC | CGCACGCCTC | |
| | 140401 | CCCACGCACC | CCCCACTCAT | CCGTTCGGGG | GGCTTTGCCG | TCCCCCTCAT | CGTGGGGGGG | |
| | 140461 | CTGTGTCTCA | TGATTCTGGG | GATGGCGTGT | CTACTCGAGG | TCCTGCGTCT | CCTGGGTCTC | |
| 50 | 140521 | GAGTTGGCGA | GGTGCTGCCG | CCACGCGGGC | CAATTTGCCC | CATGATTTTT | CGCCTTTCTG | |
| | 140581 | GCCTTGCCCC | CACCCCATCG | CCCCGATTGT | GTGTCGGGTG | CCCGGGGTAC | AGCAGCTATG | |
| | 140641 | GAGCGGTCGG | TAATATAACT | TTGGTTGTCT | CCACACGCCC | CGTGCCGGGC | ATGGGTTGTG | |
| | 140701 | CGGGAAGGAC | GAAATAATCC | GGCGATCCCC | AAGCGTACCA | ACTGGGGGGG | GGGGGGGGGG | |
| | 140761 | GGAAAAGAAA | CTAAAAACAC | ATCAAGCCCA | CAACCCATCC | CACAATGGGG | GTTATGGCGG | |
| 55 | 140821 | ACCCACCGCA | CCACCATACT | CCGATTCGAC | CACATATGCA | ACCAAATCAC | CCCCAGAGGG | |
| | 140881 | GAGGTTCCAT | TTTTACGAGG | AGGAGGAGTA | TAATAGAGTC | TTTGTGTTTA | AAACCCGGGG | |
| | 140941 | TCGGTGTGGT | GTTCGGTCAT | AAGCTGCATT | GCGAACGACT | AGTCGCCGTT | TTTCGTGTGC | |
| | 141001 | ATCGCGTATC | ACGGCATGGG | GCGTTTGACC | TCCGGCGTCG | GGACGGCGGC | CCTGCTAGTT | |
| | 141061 | GTGCGGGTGG | GACTCCGCGT | CGTCTGCGCC | AAATACGCCT | TAGCAGACCC | CTCGCTTAAG | |

| | | | | | | | |
|----|--------|-------------|-------------|-------------|-------------|------------|-------------|
| | 141121 | ATGGCCGATC | CCAATCGATT | TCGCGGGAAG | AACCTTCCGG | TTTTGGACCA | GCTGACCGAC |
| | 141181 | CCCCCGGGG | TGAAGCGTGT | TTACCACATT | CAGCCGAGCC | TGGAGGACCC | GTTCCAGCCC |
| | 141241 | CCCAGCATCC | CGATCACTGT | GTACTACGCA | GTGCTGGAAC | GTGCCTGCCG | CAGCGTGCTC |
| 5 | 141301 | CTACATGCCC | CATCGGAGGC | CCCCCAGATC | GTGCGCGGGG | CTTCGGACGA | GGCCCCGAAAG |
| | 141361 | CACACGTACA | ACCTGACCAT | CGCCTGGTAT | CGCATGGGAG | ACAATTGCGC | TATCCCCATC |
| | 141421 | ACGGTTATGG | AATACACCGA | GTGCCCCTAC | AACAAGTCGT | TGGGGGTCTG | CCCCATCCGA |
| | 141481 | ACGCAGCCCC | GCTGGAGCTA | CTATGACAGC | TTTAGCGCCG | TCAGCGAGGA | TAACCTGGGA |
| | 141541 | TTCCTGATGC | ACGCCCCCGC | CTTCGAGACC | GCGGGTACGT | ACCTGCGGCT | AGTGAAGATA |
| 10 | 141601 | AACGACTGGA | CGGAGATCAC | ACAATTTATC | CTGGAGCACC | GGGCCCCGCG | CTCCTGCAAG |
| | 141661 | TACGCTCTCC | CCCTGCGCAT | CCCCCCGGCA | GCGTGCTCA | CCTCGAAGGC | CTACCAACAG |
| | 141721 | GGCGTGACGG | TCGACAGCAT | CGGGATGCTA | CCCCGCTTTA | TCCCCGAAAA | CCAGCGCACC |
| | 141781 | GTCGCCCTAT | ACAGCTTAAA | AATCGCCGGG | TGGCACGGCC | CCAAGCCCCC | GTACACCAGC |
| | 141841 | ACCCTGCTGC | CGCCGGAGCT | GTCCGACACC | ACCAACGCCA | CGCAACCCGA | ACTCGTTCCG |
| 15 | 141901 | GAAGACCCCG | AGGACTCGGC | CCTCTTAGAG | GATCCCGCCG | GGACGGTGTC | TTCGCAGATC |
| | 141961 | CCCCCAAAT | GGCACATCCC | GTGATCCAG | GACGTCGCGC | CGCACCACGC | CCCCGCCGCT |
| | 142021 | CCCAGCAACC | CGGGCCTGAT | CATCGGCGCG | CTGGCCGGCA | TGACCTGGC | GGTGCTGGTC |
| | 142081 | ATCGGCGGTA | TTGCGTTTTG | GGTACGCCGC | CGCGCTCAGA | TGGCCCCCAA | GCGCCTACGT |
| | 142141 | CTCCCCACA | TCCGGGATGA | CGACGCGCCC | CCCTCGCACC | AGCCATTGTT | TTACTAGAGG |
| 20 | 142201 | AGTTTCCCCG | CTCCCGTGTA | CCTCTGGGCC | CGTGTGGGAG | GGTGGCTGGG | GTATTTGGGT |
| | 142261 | GGGACTTGGA | CTCCGCATAA | AGGGAGTCTC | GAAGGAGGGA | AACTAGGACA | GTTCATAGGC |
| | 142321 | CGGGAGCGTG | GGGCGCGCAC | CGCTGTCCCG | ACGATTAGCC | ACCGCGCCCA | CAGCCACCTC |
| | 142381 | GACCCGTCCG | ATCCCGGTAT | GCCCCGCCGC | TCGCTGCAGG | GCCTGGCGAT | CCTGGGCCCTG |
| | 142441 | TGGGTCTGCG | CCACCGGCCT | GGTCGTCCGC | GGCCCCACGG | TCAGTCTGGT | CTCAGACTCA |
| 25 | 142501 | CTCGTGGATG | CCGGGCCCGT | GGGGCCCCAG | GGCTTCGTGG | AAGAGGACCT | GCGTGTTTTC |
| | 142561 | GGGGAGCTTC | ATTTTGTGGG | GGCCCAGGTC | CCCCATACAA | ACTACTACGA | CGGCATCATC |
| | 142621 | GAGCTGTTTC | ACTACCCCTT | GGGGAACCAC | TGCCCCCGCG | TTGTACACGT | GGTCACACTG |
| | 142681 | ACCGCATGCC | CCCGCCGCCC | CGCCGTGGCG | TTACCTTGT | GTGCTCGAC | GCACCACGCC |
| | 142741 | CACAGCCCCG | CCTATCCGAC | CCTGGAGCTG | GGTCTGGCGC | GGCAGCCGCT | TCTGCGGGTT |
| 30 | 142801 | CGAACGGCAA | CGCGCGACTA | TGCCGGTCTG | TATGTCCTGC | GCGTATGGGT | CGGCAGCGCG |
| | 142861 | ACGAACGCCA | GCCGTTTTGT | TTTGGGGGTG | GCGCTCTCTG | CCAACGGGAC | GTTTGTGTAT |
| | 142921 | AACGGCTCGG | ACTACGGCTC | CTGCGATCCG | GCGCAGCTTC | CCTTTTCGGC | CCCGCGCCTG |
| | 142981 | GGACCCTCGA | GCGTATACAC | CCCCGGAGCC | TCCCGACCCA | CCCCTCCACG | GACAACGACA |
| | 143041 | CCCCCGTCCT | CCCCCGGAGA | CCCCGACCCC | GCCCCCGGGG | ACACAGGGAC | GCCCCGCCCC |
| 35 | 143101 | GCGAGCGGCG | AGATAGCCCC | GGCCAATTCC | ACGCGATCGG | CCAGCGAATC | GAGACACAGG |
| | 143161 | CTAACCGTAG | CCCAGGTAAT | CCAGATCGCC | ATACCGGCGT | CCATCATCGC | CTTTGTGTTT |
| | 143221 | CTGGGCAGCT | GTATCTGCTT | CATCCATAGA | TGCCAGCGCC | GATACAGGCG | CCCCCGCGGC |
| | 143281 | CAGATTTACA | ACCCCGGGGG | CGTTTCTCTG | GCGGTCAACG | AGGCGGCCAT | GGCCCCGCTC |
| | 143341 | GGAGCCGAGC | TGCGATCCCA | CCCAAACACC | CCCCCAAAC | CCCGACCGCG | TTCGTGCTCG |
| 40 | 143401 | TCCACGACCA | TGCCTTCCCT | AACGTGCGTA | GCTGAGGAAT | CGGAGCCAGG | TCCAGTCGTG |
| | 143461 | CTGCTGTCCG | TCAGTCCCTG | GCCCCGCGAGT | GGCCCCGACG | CCCCCAAGA | GGTCTAGGTC |
| | 143521 | CAAGCGGGCC | GTTCCGGCAG | CCCGCCCCAC | CGCCCCCATC | GTGGTTATTT | CCCCCCCCC |
| | 143581 | CCCCCAATA | AACCGATGTT | ATTTGCCTAT | ATGCGTGTGT | TGGATCCCTT | TGTGATCGTT |
| | 143641 | CGTCATTCCC | CGGATGGCAT | GGGAGGCGGG | TAATGGATGG | GCGGGGCCCG | GGGGGAGGAA |
| 45 | 143701 | AAAGAATAAA | GGGGGTAGTG | TCGGAGAGGC | CCGCCGCGCA | TTTAAGGAGT | CGCCGCCCCG |
| | 143761 | ACTCTGTGTC | TTCGGGTGAC | TTGGTGCGCC | GCCGTCAGCT | AGTCTCCGAT | CTGCCCCGAC |
| | 143821 | CGACGGCTCC | TGCCACCCGA | ACATGGCTCG | CGGGGCGGGG | TTGGTGTTTT | TTGTTGGAGT |
| | 143881 | TTGGGTGCGTA | TCGTGCCTGG | CGGCAGCACC | CAGAACGTCC | TGGAAACGGG | TAACCTCGGG |
| | 143941 | CGAGGACGTG | GTGTTGCTTC | CGGCGCCCGC | GGAACGCACC | CGGGCCACA | AACTACTGTG |
| 50 | 144001 | GGCCGCGGAA | CCCCTGGAATG | CCTGCGGTCC | CCTGCGCCCG | TCGTGGGTGG | CGCTGTGGCC |
| | 144061 | CCCCGACGG | GTGCTCGAGA | CGGTCTGGGA | TGCGGCGTGC | ATGCGCGCCC | CGGAACCGCT |
| | 144121 | CGCCATAGCA | TACAGTCCCC | CGTTCCCCGC | GGGCGACGAG | GGACTGTATT | CGAGTTGGC |
| | 144181 | GTGGCGCGAT | CGCGTAGCCG | TGGTCAACGA | GAGTCTGGTC | ATCTACGGGG | CCTGGAGAGC |
| | 144241 | GGACAGCGGT | CTGTACACCC | TGTCCGTGGT | CGGCCTAAGC | GACGAGGCGC | GCCAAGTGGC |
| 55 | 144301 | GTCGGTGGTT | CTGGTCTGTG | AGCCCCCCCC | TGTGCCGACC | CCGACCCCCG | ACGACTACGA |
| | 144361 | CGAAGAAGAC | GACGCGGGCG | TGACGAACGC | ACGCCGGTCA | GCGTTCCCCC | CCCAACCCCC |
| | 144421 | CCCCCGTCTG | CCCCCGTCTG | CCCCCCCCGAC | GCACCCCTCGT | GTTATCCCCG | AGGTGTCCCA |
| | 144481 | CGTGCGCGGG | GTAACGGTCC | ATATGGAGAC | CCTGGAGGCC | ATTCTGTTTG | CCCCCGGGGA |
| | 144541 | GACGTTTGGG | ACGAACGTCT | CCATCCACGC | CATTGCCCAC | GACGACGGTC | CGTACGCCAT |
| | 144601 | GGACGTCGTC | TGGATGCGGT | TTGACGTGCC | GTCCTCGTGC | GCCGATATGC | GGATCTACGA |

| | | | | | | | |
|----|--------|-------------|------------|------------|------------|-------------|-------------|
| | 144661 | AGCTTGTCTG | TATCACCCGC | AGCTTCCAGA | GTGTCTATCT | CCGGCCGACG | CGCCGTGCGC |
| | 144721 | CGTAAGTTCC | TGGGCGTACC | GCCTGGCGGT | CCGCAGCTAC | GCCGGCTGTT | CCAGGACTAC |
| | 144781 | GGCCCCGCCG | CGATGTTTTG | CCGAGGCTCG | CATGGAACCG | GTCCCGGGGT | TGGCGTGGCT |
| 5 | 144841 | GGCCTCCACC | GTCAATCTGG | AATTCAGCA | CGCCTCCCC | CAGCACGCCG | GCCTCTACCT |
| | 144901 | GTGCGTGGTG | TACGTGGACG | ATCATATCCA | CGCCTGGGGC | CACATGACCA | TCAGCACCGC |
| | 144961 | GGCGCAGTAC | CGGAACGCGG | TGGTGGAAAC | GCACCTCCCC | CAGCGCCAGC | CCGAGCCCGT |
| | 145021 | CGAGCCCAAC | CGCCCCGACG | TGAGAGCCCC | CCATCCCCCG | CCCTCCGCGC | GCGGCCCCGT |
| | 145081 | GCGCCTCGGG | GCGGTGCTGG | GGGCGGCCCT | GTTGCTGGCC | GCCCTCGGGC | TGTCCGCGTG |
| | 145141 | GGCGTGCATG | ACCTGCTGGC | GCAGGCGCTC | CTGGCGGGCG | GTTAAAAGCC | GGGCCTCGGC |
| 10 | 145201 | GACGGGCCCC | ACTTACATTC | GCGTGGCGGA | CAGCGAGCTG | TACGCGGACT | GGAGTTCGGA |
| | 145261 | CAGCGAGGGG | GAGCGCGACG | GGTCCCTGTG | GCAGGACCC | CCGGAGAGAC | CCGACTCTCC |
| | 145321 | CTCCACAAAT | GGATCCGGCT | TTGAGATCTT | ATCACCAACG | GCTCCGTCTG | TATACCCCCA |
| | 145381 | TAGCGAGGGG | CGTAAATCTC | GCCGCCCGCT | CACCACCTTT | GGTTCGGGAA | GCCCGGGCCG |
| | 145441 | TCGTCACTCC | CAGGCCTCCT | ATCCGTCCGT | CCTCTGGTAA | GGCGTCTTCC | GACGACGCGG |
| 15 | 145501 | ACGTCCGCGA | TGAATGATT | GCCATCGCGG | ACGCACGCGG | GGACCCGCCA | GAGACCCTGC |
| | 145561 | CCCCCGGCGC | GGGCGGCGCC | GCGCCCGCGT | ACCGCAGACC | ACCTCGCGGC | GGCTCCCCCG |
| | 145621 | CGGCCTTTCC | CGTGGCCCTC | CACGCCGTGG | ACGCCCCCTC | CCAATTCGTC | ACCTGGCTCG |
| | 145681 | CCGTGCGCTG | GCTGCGGGGG | GCGGTGGGTC | TCGGGGCCGT | CCTGTGCGGG | ATTGCGTTTT |
| | 145741 | ACGTGACGTC | AATCGCCCGA | GGCGCATAAA | GGTCCGGCGG | CCACCCCGCC | GCAGCTCATA |
| 20 | 145801 | AAAATCGTGA | GTCACGGCAA | CCCCACCTTC | GCCTCCGCCC | TCCGCCAGCG | CCCTTCCGCG |
| | 145861 | TCCGCGATGA | CCTCCCGGCC | CGCCGACCAA | GACTCGGTGC | GTTCCAGCGC | GTCGGTGCCG |
| | 145921 | CTTTACCCCC | CGGCCTCGCC | CGTCCCGGCA | GAAGCCTACT | ACTCGGAAAG | CGAAGACGAG |
| | 145981 | GCCGCCAACG | ACTTCCTCGT | GCGCATGGGC | CGCCAGCAGT | CGGTCTCTAA | GCGCCGACGG |
| | 146041 | CGGCGCACGC | GGTGCGTCGG | GCTGGTTATC | GCCGTGTCTG | TCGTGGCCCT | CCGTATCGGA |
| 25 | 146101 | GGGTTGCGGG | CACTTTTGGT | GTGGCTGCTC | CGCTAAATGA | CGCCTCGATG | TATGGCGCCT |
| | 146161 | TCTTCGCCCC | CACCCCTCGC | CGCGACCCAC | GTCCGTATGT | TAATTGCAAT | AAAGTGGTTG |
| | 146221 | ATTGTCATTA | CGGTCTACTA | GGTTGTCTTT | TTTTTTTGGG | GGGGGGGGAG | GAAATGCAGA |
| | 146281 | AAAGGGTAAG | AAATTCTCGG | AATTTACACC | CCGGGGGGGG | GCAAGTGCAG | TAACCCAGTT |
| | 146341 | CCTCAGTGTT | TGGGAAATCT | ATTGAACCTC | CCCGGCTCCT | CCGTGTTAGG | GAAGTCTCTT |
| 30 | 146401 | GGGGAAATCT | ATTGACCTCT | CGCCCCCCCC | CCCCCAGGAG | GGGGGCAGTG | CAGTACCCCCA |
| | 146461 | GTTCTCTCCG | GCTGGGGAAA | TCTCTCTGCC | GGGTACGGGC | TCCAGACGAA | GGACCCATAC |
| | 146521 | ATTTCCCCAT | CCGCACCCCA | CATCTGGCGT | TCTAGAGTCA | CGACGCATTT | CGCCCCGTCC |
| | 146581 | CCGCAGCAAC | ACACAAAGCG | ATTTCAATTT | TCACGATTTT | ATTATTAATT | ACACCAACCA |
| | 146641 | CCCTGTCCCC | GGGACGTGGT | CAGGACCGGG | GGTCCGCACC | CAAACGCACG | AAACAAATGC |
| 35 | 146701 | TGGCAGTG TG | CCGAATATAA | CCCCGCGTAG | GAACACGTCG | ACGCGTGCGC | CAAACAGCAC |
| | 146761 | CAGAAGGCGC | ATGCCATCAG | CAGGTCGTGC | ATATGGCGAT | GTGTTTGGAC | GCAGGGCGCA |
| | 146821 | GCCGCGGCGA | TAAAATTCAT | GGCGGCCGTC | CGCCAGGGCC | ACAGCGGCGA | GGACTCCCTG |
| | 146881 | TTGGCCCCGAA | GCCATTGGGT | ATGAACCAGC | TGCGCCTCCT | GTCCGACCCCT | GGCTCCCGCC |
| | 146941 | AGCGGGGGCG | GTGGGTCGTG | GGTGTGAGA | GCACACAGGC | GGGACACCTC | GATCACCCTC |
| 40 | 147001 | CGAAAAAAGG | CCCGGTGGTC | CGCGGGCAGC | ATCTGCAGGT | GCGCCAGGGC | CTGGGCGTTG |
| | 147061 | AGAGGGTACA | ACTCGGAGCC | GGGGGACTCC | GGGGGCGGTT | CCGCGCGGTG | CCGCGAGTTG |
| | 147121 | GCACGCTTTG | GGGCCCCGGT | GTCGGACGCG | GGGCGGTTAT | GGATCCCGAT | GCGGGGAGGA |
| | 147181 | ACGTACGTGC | GTTGGCGCGG | CGATGAGGGG | TCCGGGCTGC | CGAGGGGGGC | GTAGGGGACC |
| | 147241 | GGGCTAGGCA | AGCCCGCGGG | TTGCGCGGGG | TTCCCGTGGG | GGTCTAGGCT | CCCTGGGCAC |
| 45 | 147301 | CCGTGGGGGT | CGTGGGGGTC | GCGGGTCCCT | GGGTATGCGC | GGGACCCCTG | GTTCTCTGGG |
| | 147361 | AGATCGTGGA | ACTCGCGGTT | CCCTGGGCTC | TCGGGGAACC | CGGGGCTCCC | TGGGGACACG |
| | 147421 | TGGTGCCCTG | GGAATTCCTG | ATGGTCGGAC | GGCTTCAGAT | GGCTTCGGGA | TCGAGAGGGC |
| | 147481 | CGCACAGACT | CGTAGTAGAC | CCGAATCTCC | ACGTTTCCCC | GCCGCCGGAT | CATGGTCGCC |
| | 147541 | GCCCCGGTGC | GGGGGCCCCG | CGGTCCGAA | CGAGTGCCCT | TCAAGCGTGT | CCGCTCCTCT |
| 50 | 147601 | GGGCTGCATG | CCGTCCGATG | GGGTGCCTTT | TAAGGAAAGG | TCTCGGCTGC | CCGCCCCAAC |
| | 147661 | CGGGGTTTGG | GGGTGGGCGG | GGGAAACCCC | GGATGCCATG | GGGGGGTAC | ACCCTAAGCG |
| | 147721 | CCGGCGCGCT | GGTTGGGTGG | GGGTAGAGGG | GAGTCCCCGG | TCGACGAGAT | CGTATCAAGG |
| | 147781 | GGCCAGCACG | CGATCCTGCC | GCTCGTTTGA | TCTAGCACAC | CCACGGGTCT | GCTGTGTGGG |
| | 147841 | ATTTGACTC | GCGGGATCCG | ATCGCACGTC | CGGAGGACAC | AGCAGCGGGA | GCTCCGGGTC |
| 55 | 147901 | GATCACCACA | GTTCTGGCCG | CCTCTCGGTC | CTCCCGTTCC | CTTTTATGGA | TCTCCGCGCA |
| | 147961 | GACATCGCCA | TACGTCCGGT | GTGTGCACCG | CGAAGAATCC | AGAAACATGT | CCGTCTTTT |
| | 148021 | CAGGGCCCCA | GACATGGTGT | CCCGTCCACG | AAGGCGGCGC | CCGGCTGCG | AGAAAGCGCG |
| | 148081 | GATGTTGGGA | TCGGGGCCCC | GTCCCCCGGG | CCCGTCCCCC | CGTCCCCCGG | GCCCGTCCCC |
| | 148141 | CCGTCCCCCC | GGCCCCGTCC | CCCGTCCCCC | CGGCCCGTCC | CCCCGTCCCC | CCGGCCCCGT |

| | | | | | | | |
|----|--------|-------------|------------|------------|------------|------------|------------|
| | 148201 | CCCCCGTCCC | CCCGTCCCCC | CGTCCCCCGG | TCCCCCGGTC | CCCCCGTCCC | CCCGTCCCCC |
| | 148261 | CGTCCCCCGG | TCCCCCGGTC | CCCCCGTCCC | CCCGTCCCCC | CGTCCCCCGG | TCCCCCGGTC |
| | 148321 | CCCCCGTCCC | CCCGGCCCCC | CGGCCCCCCG | GCCCCCGGGC | CCCCCGGCCC | GTCCCCCGGG |
| 5 | 148381 | CCCGTCCCCC | CGGCCCGTCC | CCCCGGCCCC | TCCCCCGGGC | CCGTCCCCCC | GGCCCCGTCC |
| | 148441 | CCCGGCCCGT | CCCCCGGGCC | CGTCCCCCGG | GCCCCGTCCC | CCGTCCCCCG | CCCGTCCCCC |
| | 148501 | CGGCCCGGCCC | CCCGGGTCC | CGTACCTGCG | ATAAGGCTGC | AGTGGGTGGA | TGGGTCTCTG |
| | 148561 | CGGTACGTAC | AGGGTGGGGG | GGGGGGGGGG | GGAGGGAAG | GCAGAACGAA | AAGGAACCGA |
| | 148621 | TGCGCCCGCG | TCTCTGTATC | CGATCCGATC | CGGGTGCGTC | GGTGCCCCGC | TGCGCCCGCG |
| | 148681 | CGTCTCTGTC | TCGCTGTGGC | CCCCTTCGCG | ATGCCGCCGC | TGCCGTCCCG | GTCTCCGCCG |
| 10 | 148741 | CGCAGCCGGT | GTGCCCCCTG | TGCGGCGGCG | ACCGGGACGC | CGGCCCTTTA | TGTGCGCGAG |
| | 148801 | GAACGGCCCC | CCCCCGTCC | GGGCCCGCCT | CGGGGCGGAG | CCCGCGGGAT | GACGCGGGCC |
| | 148861 | CCGGGCAGGG | CGCCAGTGCT | CGCACTTTGC | CCTAATAATA | TATATACTAT | TAGGACGAAG |
| | 148921 | TGCGAACGCT | TCGCGTTCTC | ACTTCTTTTA | CCCTGCGGCC | CCGCCCCCTT | TGGGGCGGAG |
| | 148981 | CGCGGGATGA | CGCGGGCCCC | GGGCAGGGCG | CCAGCGCTCG | CACTTTGCCC | TAATAATATA |
| 15 | 149041 | TATACTATTA | GGACGAAGTG | CGAACGCTTC | GCGTTCTCAC | TTCTTTTACC | CTGCGGCCCC |
| | 149101 | GCCCCCTTTG | GGGCGGAGCC | GCCCGCGGAC | CAACGGGGCG | ACCTCGCCGG | CCCCTTTGGG |
| | 149161 | GCCGCGGGGG | GCCAACGGGA | GCGCGGGGCC | GGCATCTCAT | TACCACGAAC | CCGGAAGGGC |
| | 149221 | AGGGGAGCGA | GCCCGCCCGC | GACGAGGGTC | TCATTAGCAT | CGCGGGCGGA | AGCGGAAGCC |
| | 149281 | GCCCGCGCCG | GGCGCTAATG | AGATGCCGCG | CGGGCGGAGC | GGCGGCGGCG | CGACCAACGG |
| 20 | 149341 | GCCGCCGCCA | CGGACGCGGA | CGCGCGGGCG | TCGGGGCGGG | GCCGCGCATA | ATGCGGTTCC |
| | 149401 | ACCTGGGGGC | GGAACCCCGG | CGAGCCGGGG | CGCGGCGGCG | TCGATCGCTC | CTCCTCCGCG |
| | 149461 | TCCTCCTCCT | TTCCCCCGCG | CCCGCGCGCC | CCGAGGACTA | TATCAGCCAG | GCGACGGGGC |
| | 149521 | GATCGTCCAC | ACGGAGCGCG | GCTACCGACG | CGGCCGCCAG | GATCTACCCG | ATCGGCGCGG |
| | 149581 | AGAGGCGAAA | AGACACAGCG | ACACGCACGC | ACCGCACGGG | GGGGAGAGAG | ACTGCCAAC |
| 25 | 149641 | ACCCCCCCCC | ACTGCCGCCC | CTGAAGAAGA | AGAAGAAGAC | CCCCCCCCCG | CACACCCCGG |
| | 149701 | TCGGAGGCGA | TGTCGGCGGA | GCAGCGGAAG | AAGAAGAAGA | CGACGACGAC | GACGCAGGGC |
| | 149761 | CGCGGGGCGG | AGGTGCGGAT | GGCGGACGAG | GACGGGGGAC | GTCTCCGGGC | CGCGGCGGAG |
| | 149821 | ACGACCGGCG | GCCCCGGATC | TCCGGATCCA | GCCGACGGAC | CGCCGCCAC | CCCGAACCCG |
| | 149881 | GACCGTCGCC | CCGCCGCGCG | GCCCGGGTTC | GGGTGGCAGC | GTGGGCCGGA | GGAGAACGAA |
| 30 | 149941 | GACGAGGCCG | ACGACGCCGC | CGCCGATGCC | GATGCCGACG | AGGCGGCCCC | GGCGTCCGGG |
| | 150001 | GAGGCCGTGC | ACGAGCCTGC | CGCGGACGGC | GTGCTCTCGC | CGCGGCAGCT | GGCCCTGCTG |
| | 150061 | GCCTCGATGG | TGGACGAGGC | CGTTTCGACG | ATCCCGTTCG | CCCCCCCCGA | GCGCGACGGC |
| | 150121 | GCGCAAGAAG | AAGCGGCCCG | CTCGCCTTCT | CCGCCGCGGA | CCCCCTCCAT | GCGCGCCGAT |
| | 150181 | TATGGCGAGG | AGAACGACGA | CGACGACGAC | GACGACGATG | ACGACGACCG | GACGCGGGC |
| 35 | 150241 | CGCTGGGTCC | GCGGACCGGA | GACGACGTCC | GCGGTCCGCG | GGGCGTACCC | GGACCCCATG |
| | 150301 | GCCAGCCTGT | CGCCGCGACC | CCCGGCGCCC | CGCCGACACC | ACCACCACCA | CCACCACCGC |
| | 150361 | CGCCGGCGCG | CCCCCGGCCG | GCGCTCGGCC | GCCTCTGACT | CATCAAAATC | CGGATCCTCG |
| | 150421 | TCGTGCGCGT | CCTCCGCCTC | CTCCTCCGCC | TCCTCCTCCT | CGTCTGCATC | CGCCTCCTCG |
| | 150481 | TCTGACGACG | ACGACGACGA | CGACGCCGCC | CGCGCCCCCG | CCAGCGCCCG | AGACCACGCC |
| 40 | 150541 | GCGGGCGGGA | CCCTCGGCGC | GGACGACGAG | GAGGCGGGGG | TGCCCGCGAG | GGCCCCGGGG |
| | 150601 | GCGGCGCCCC | GGCCGAGCCC | GCCCAGGGCC | GAGCCCGCCC | CGGCCCGGAC | CCCCGCGGCG |
| | 150661 | ACCGCGGGCC | GCCTGGAGCG | CCCGCGGGCC | CGCGCGGCGG | TGGCCGGCCG | CGACGCGCAC |
| | 150721 | GCGCGCTTCA | CGGCCGGGCG | GCCCCGGGCG | GTCGAGCTGG | ACGCCGACCG | GGCCTCCGGC |
| | 150781 | GCCTTCTACG | CGCGCTACCG | CGACGGGTAC | GTCAGCGGGG | AGCCGTGGCC | CGGGGCCGGC |
| 45 | 150841 | CCCCCGCCCC | CGGGGCGCGT | GCTGTACGGC | GGGCTGGGCG | ACAGCCGCCC | CGGCCTCTGG |
| | 150901 | GGGGCGCCCC | AGGCGGAGGA | GGCGCGGGCC | CGGTTCGAGG | CCTCGGGCGC | CCCGGCGCCC |
| | 150961 | GTGTGGGCGC | CCGAGCTGGG | CGACGCGGCG | CAGCAGTACG | CCCTGATCAC | GCGGCTGCTG |
| | 151021 | TACACGCCCG | ACGCGGAGGC | GATGGGGTGG | CTCCAGAACC | CGCGCGTGGC | GCCCGGGGAC |
| | 151081 | GTGGCGCTGG | ACCAGGCCTG | CTTCCGGATC | TCGGGCGCGG | CGCGCAACAG | CAGCTCCTTC |
| 50 | 151141 | ATCTCCGGCA | GCGTGGCGCG | GGCGGTGCCC | CACCTGGGGT | ACGCCATGGC | GGCGGGCCGC |
| | 151201 | TTCGGCTGGG | GCTTGGCGCA | CGTGGCGGCC | GCCGTGGCCA | TGAGCCGCCG | CTACGACCGC |
| | 151261 | GCGCAGAAGG | GCTTCTTGCT | GACGAGCCTG | GCCCGCGCCT | ACGCGCCCTT | CTGGGCGCGC |
| | 151321 | GAGAACGCGG | CGCTGACCGG | GGCGCAACCC | CCCGACGACG | GCGGCGACGC | CAACCGCCAC |
| | 151381 | GACGGCGACG | ACGCCCGCGG | GAAGCCCGCC | GCCGCGGCCG | CCCCGTGGCC | GTCGGCGGCG |
| 55 | 151441 | GCGTCGCGCG | CCGACGAGCG | CGCGGTGCCC | GCCGGCTACG | GCGCCGCGGG | GGTGCTCGCC |
| | 151501 | GCCCTGGGGC | GCCTGAGCGC | CGCGCCCGCC | TCCGCGCCGG | CCGGGGCCGA | CGACGACGAC |
| | 151561 | GACGACGACG | GCGCCGGCGG | TGGTGGCGGC | GGCCGGCGCG | CGGAGGCGGG | CCGCGTGGCC |
| | 151621 | GTGGAGTGCC | TGGCCGCCTG | CCGCGGGATC | CTGGAGGCGC | TGGCGGAGGG | CTTCGACGGC |
| | 151681 | GACCTGGCGG | CCGTGCCGGG | GCTGGCCGGA | GCCCCGCCCG | CCGCGCCCCC | GCGCCCGGGG |

| | | | | | | | |
|----|--------|------------|------------|-------------|-------------|------------|------------|
| | 151741 | CCCGCGGGCG | CGGCCGCCCC | GCCGCACGCC | GACGCGCCCC | GCCTGCGCGC | CTGGCTGCGC |
| | 151801 | GAGCTGCGGT | TCGTGCGCGA | CGCGCTGGTG | CTGATGCGCC | TGCGCGGGGA | CCTGCGCGTG |
| | 151861 | GCCGCGGGCA | GCGAGGCCGC | CGTGGCCGCC | GTGCGCGCCG | TGAGCCTGGT | CGCCGGGGCC |
| 5 | 151921 | CTGGGCCCCG | CGCTGCCCGC | GAGCCCGCGC | CTGCTGAGCT | CCGCCGCCGC | CGCCGCCCGC |
| | 151981 | GACCTGCTCT | TCCAGAACCA | GAGCCTGCGC | CCCCTGCTGG | CCGACACCGT | CGCCGCCGGC |
| | 152041 | GACTCGTTCG | CCGCGCCCCG | CTCCGCGCCG | CGGGAGGCGC | GCAAGCGCAA | GAGCCCCGCC |
| | 152101 | CCGGCCAGGG | CGCCGCCGGG | CGGCGCCCCG | CGCCCCCCGA | AGAAGAGCCG | CGCGGACGCC |
| | 152161 | CCCGGCCCCG | CGGCCGCCCC | TCCCGCGGGG | GCCGCGCCCC | CCGCCCCGCC | GACGCCGCCG |
| 10 | 152221 | CCGCGGCCGC | CGCGCCCCGC | GGCGCTGACC | CGCCGGCCCC | CCGAGGGCCC | CGACCCGCAG |
| | 152281 | GGCGGCTGGC | GCCGCCAGCC | GCCGGGGCCC | AGCCACACGC | CGGCGCCCTC | GGCCGCCGCC |
| | 152341 | CTGGAGGCCT | ACTGCGCCCC | GCGGGCCGTG | GCCGAGCTCA | CGGACCACCC | GCTCTTCCCC |
| | 152401 | GCGCCGTGGC | GCCCGGCCCT | CATGTTTCGAC | CCGCGCGCGC | TGGCCTCGCT | GGCCGCGCGC |
| | 152461 | TGCGCCGCCC | CGCCCCCCGG | CGGCGCGCCC | GCCGCC'TTCG | GCCCCGTGCG | CGCCTCGGGC |
| | 152521 | CCGCTGCGCC | GCGCGGCGGC | CTGGATGCGC | CAGGTGCCCG | ACCCGGAGGA | CGTGCGCGTG |
| 15 | 152581 | GTGATCCTCT | ACTCGCCGCT | GCCGGGCGAG | GACCTGGCCG | CGGGCCGCGC | CGGGGGCGGG |
| | 152641 | CCCCCCCCCG | AGTGGTCCGC | CGAGCGCGGC | GGGCTGTCTT | GCCTGCTGGC | GGCCCTGGGC |
| | 152701 | AACCGGCTCT | GCGGGCCCGC | CACGGCCGCC | TGGGCGGGCA | ACTGGACCCG | CGCCCCGAC |
| | 152761 | GTCTCGGCGC | TGGGCGCGCA | GGGCGTGCTG | CTGCTGTCCA | CGCGGGACCT | GGCCTTCGCC |
| | 152821 | GGCGCCGTGG | AGTTCTCTGG | GCTGCTGGCC | GGCGCCTGCG | ACCGCCGCCT | CATCGTCGTC |
| 20 | 152881 | AACGCCGTGC | GCGCCGCGGA | CTGGCCCCGC | GACGGGCCCG | TGGTCTCGCG | GCAGCACGCC |
| | 152941 | TACCTGGCCT | GCGAGGTGCT | GCCCGCCGTG | CAGTGCGCCG | TGCGCTGGCC | GGCGGCGCGG |
| | 153001 | GACCTGCGCC | GCACCGTGCT | GGCCTCCGGC | CGCGTGTTCG | GGCCGGGGGT | CTTCGCGCGC |
| | 153061 | GTGGAGGCCG | CGCACGCGCG | CCTGTACCCC | GACGCGCCCG | CGCTGCGCCT | CTGCCGCGGG |
| | 153121 | GCCAACGTGC | GGTACCGCGT | GCGCATCCCG | TTCGGCCCCG | ACACGCTGGT | GCCCATGTCC |
| 25 | 153181 | CCGCGCGAGT | ACCGCCGCGC | CGTGCTCCCG | CGCTGGACG | GCCGGGCCGC | CGCCTCGGGC |
| | 153241 | GCGGGCGACG | CCATGGCGCC | CGGCGCGCCG | GACTTCTGCG | AGGACGAGGC | GCACTCGCAC |
| | 153301 | CGCGCCTGCG | CGCGCTGGGG | CCTGGGCGCG | CCGCTGCGGC | CCGTCTACGT | GGCGCTGGGG |
| | 153361 | CGCGACGCCG | TGCGCGGCGG | CCCGGCGGAG | CTGCGCGGGC | CGCGGCGGGA | GTTCTGCGCG |
| | 153421 | CGGGCGCTGC | TCGAGCCCGA | CGGCGACGCG | CCCCCGCTGG | TGCTGCGCGA | CGACGCGGAC |
| 30 | 153481 | GCGGGCCCCG | CCCCCGAGAT | ACGCTGGGCG | TCGGCCGCGG | GCCGCGCGGG | GACGGTGCTG |
| | 153541 | GCCGCGGCGG | GCGGCGGCGT | GGAGGTGGTG | GGGACCGCCG | CGGGGCTGGC | CACGCCGCCG |
| | 153601 | AGGCGCGAGC | CCGTGGACAT | GGACGCGGAG | CTGGAGGACG | ACGACGACGG | ACTGTTTGGG |
| | 153661 | GAGTGACGGG | GGGGGAAACT | TCCGGGACCG | GGGGAGGGGG | GAGATGGGGA | GAGGGGGAAG |
| | 153721 | GAAATCGGGC | TCTGTGCGCC | TTTAAGACAG | ACGCGGCGAT | GGCCGCGCGC | GTGTGTGAGA |
| 35 | 153781 | AATAAAGAAC | GAGACAGACG | AAAACGTACC | GCCTTGTGTG | GTTTATTTCG | GGGTCGGGCG |
| | 153841 | GGCGGGGGTC | GGGCGGGCGG | GGGTGCGGCG | GGCGGGGGTC | GGGCGGGCGG | GGGTCGGGCG |
| | 153901 | GGCGGGGGTC | GGGCGGGCGG | GGGTGCGGCG | GGCGGGGGTC | GGGCGGGCGG | GGGTCGGGCG |
| | 153961 | GGCGGGGGTC | GGGCGGGCGG | GGGTGCGGCG | GGCGGGGGTC | GGGCGGGCGG | GGGTCGGGCG |
| | 154021 | GGCGGGGGTC | GGGCGGGCGG | GGGTGCGGCG | GGCGGGGGTC | GGGCGGGCGG | CACGTCTCCC |
| 40 | 154081 | GCGCCCGCGG | GGGGTCTGGG | GCTCTGACCT | GAGTGCAGGT | TACGAAGGTC | AGGTGGCCCC |
| | 154141 | AGCCCCCCCC | CAGGAGCGGG | AGGGAAGGCA | CGGGGCGCGG | GAGGGAGGGG | CTGCTGCGAG |
| | 154201 | CTCGGGGCCG | CGGGCGGCGG | GGGAGGGGCG | GGGGAAGCCC | CGGGGCGGGG | GCGCGGGGGA |
| | 154261 | GGCGGCCGCG | GGGGAGGCGG | CCGCGGGACC | GCAGCCCCGT | GGCGCGCGGG | GGGAGGGGGC |
| | 154321 | TGCCGCGAGC | TCGGCGGGAT | GGAGGGGAGG | GAGGGGGTGG | CGGGGAACCG | TGTGCGGGCG |
| 45 | 154381 | GGCGGGTGCT | TGGTGCAACT | GTCTGGTCTG | CGAGGGCGAG | CGGTGGTGCG | ACTGGCGTCT |
| | 154441 | TCGGGGGGGC | GGGGAGCTTG | GGAGTGTGTG | GTGGTCTGCG | GCACAGCCTG | CTAGTCCCCG |
| | 154501 | TCTTGCCGCG | CGGGGGCGGG | CGCGGGAAAA | AAGCCGCGCG | GGGGCGCCCC | CGGGAAGGCA |
| | 154561 | GCCCCGCGGC | GCGCGGGGGG | AGGGGCGGCG | CCCGCGGGGG | AGCGGCCGGC | TCCGGGGGAG |
| | 154621 | GGACGGGGAA | GGGGGCGCGC | GGGGCTGCCC | TGCCGCCCCG | CCGCCGCCGC | CGCCCCCCTT |
| 50 | 154681 | CGCGCCCCCC | CCCAAAAAAC | ACCCCCCCCC | GGGGTTGACT | CCCCGGGGGA | AAAGAGGCGG |
| | 154741 | GGCGGG | | | | | |

HUMAN HERPESVIRUS 3 (SEQ ID NO:111)

| | | | | | | | |
|----|-----|-------------|------------|--------------|--------------|------------|------------|
| | 1 | AGGCCAGCCC | TCTCGCGGCC | CCCTCGAGAG | AGAAAAAAAA | AAGCGACCCC | ACCTCCCCGC |
| 55 | 61 | GCGT'TTGCGG | GGCGACCATC | GGGGGGGATG | GGAT'TTTT'TG | CCGGGAAACC | CCCCCCCCGC |
| | 121 | AGCCTTTTAAC | AAAACCCGCG | CCTTTT'TGCGT | CCACCCCTCG | TTTACTGCTC | GGATGGCGAC |
| | 181 | CTGCGACTAC | TCCCGCCGAC | CTGGGACCCC | CCCGGTCAAC | CTCACGTCGT | CCCCCGCAT |
| | 241 | GGATGACGTT | GCGACCCCCA | TCCCCTACCT | ACCCACATAC | GCCGAGGCCG | TGGCAGACGC |
| | 301 | GCCCCCCCCCT | TACAGAAGCC | GCGAGAGTCT | GGTGT'TCTCC | CCGCCTCTTT | TTCCTCACGT |

| | | | | | | | |
|----|------|-------------|------------|-------------|-------------|-------------|-------------|
| | 361 | GGAGAATGGC | ACCACCCAAC | AGTCTTACGA | TTGCCTAGAC | TGCGCTTATG | ATGGAATCCA |
| | 421 | CAGACTTCAG | CTGGCTTTTC | TAAGAATTCTG | CAAATGCTGT | GTACCGGCTT | TTTAAATTCT |
| | 481 | TTTTGGTATT | CTCACCTTA | CTGCTGTCTG | GGTCGCCATT | GTTGCCGTTT | TTCCCGAGGA |
| 5 | 541 | ACCTCCCAAC | TCAACTACAT | GAAACTACTG | TCCGGAAGGG | GAAGGTATTT | ATTCTCGCTT |
| | 601 | GCAGCTTGTC | GCGCGTGTAT | GCACAACAAA | AGCTATATAT | GTCACCAAAG | CCAACGTCGC |
| | 661 | CATCTGGAGT | ACTACACCCA | GTACGTTGCA | TAACCTGTCC | ATTTGCATTT | TCAGTTGCGC |
| | 721 | GGACGCCTTT | CTCCGGGATC | GTGGCCTTGG | GACATCAACC | AGTGGAATAA | GAACCGCCGG |
| | 781 | TGGTCTTGTT | TGAACGACGA | GTGGCGACGC | GTTGTTCTGC | ATAAGCTCTG | TATGCTGATA |
| | 841 | CATAAACACA | GAGTCTGTAT | CGCTATCAGA | TTCCCGAACA | CCTTCCGGTA | CCCCATACTC |
| 10 | 901 | CGATACCTTG | GACATTGCGG | ATCCCAAAAA | TATAATATTA | ACAGGATTTG | CTTATACTTT |
| | 961 | GCTACAGCTT | ATATAAATTT | ATGTGCGATA | CATCTTAAGT | GCATCCGTAC | GTTATTTATA |
| | 1021 | CATTGCCTGT | CACGTGAAAA | GACTGTGTTA | CCCAATAAAG | GTTCTACAAA | AAATGCTTTA |
| | 1081 | TTGGGTGTTT | GTTTAATAGC | TATTATCGTA | ACCCACCCCC | GTAAATCAT | AAAATGCATG |
| | 1141 | TAATTTCTGA | GACACTTGCA | TATGGGCATG | TTCCCGCAT | TATTATGGGG | TCCACTCTGG |
| 15 | 1201 | TGCGTCCCAG | TTTAAACGCC | ACCGCCGAGG | AAAATCCCCG | GTCAGAAACG | CGATGTTTAT |
| | 1261 | TACGAGTGCT | TGCGGGGAGA | ACTGTAGACC | TGCCAGGCGG | AGGAACGTTA | CACATTACCT |
| | 1321 | GTACCAAAAC | CTATGTAATT | ATTGGCAAAT | ATAGCAAACC | CGGCGAACGT | CTTAGCCTTG |
| | 1381 | CCCGTCTAAT | AGGGCGTGCA | ATGACGCCTG | GAGGTGCAAG | GACATTTATT | ATTTTGGCGA |
| | 1441 | TGAAGGAAAA | GCGATCCACA | ACGCTTGGGT | ATGAATGTGG | TACGGGCTTG | CATTTACTGG |
| 20 | 1501 | CTCCATCTAT | GGGTACATTT | CTCCGCACAC | ACGGTTTAAG | TAACAGAGAT | CTCTGTTTAT |
| | 1561 | GGCGGGGTAA | TATTTATGAT | ATGCATATGC | AACGTCTTAT | GTTTTGGGAG | AATATCGCGC |
| | 1621 | AAAATACCAC | TGAAACACCT | TGTATAACGT | CGACGTTAAC | ATGCAACTTG | ACAGAAGACT |
| | 1681 | CTGGTGAAGC | CGCACTTACC | ACGTGACACC | GACCCACTCT | CCCAACCTTA | ACAGCCCCAAG |
| | 1741 | GAAGACCAAC | AGTTTCCAAC | ATTCTGTGGA | TATTGAAAGG | ATCCCCCGTG | CAACAGCCGG |
| 25 | 1801 | TCTGTACCGG | GGTTAGATTT | GCCGAACCTA | CGGAGGGCGT | ATTGATGTAA | TCAGTAAATA |
| | 1861 | AAATACACCT | TTTTTCGATT | GTACGTATTT | TTATTTAAAT | GTGTAGTTCA | TAGTCCGCCG |
| | 1921 | ACAGCCGCTC | GGGCTTTTCC | CCCACATACA | ACATGATCGT | ATGCCTCGGA | TGCACCGGTC |
| | 1981 | CAACACTCCG | CCGAGAAGGG | GGATTTACAA | TGACAGTGAT | ACCCAATAGC | CGCCAGATGT |
| | 2041 | ACACCCAGCT | GTCCGGACTC | CAGCATCATC | TGCTGAGTTG | CGGCGCTGAA | GGGTGCATCG |
| 30 | 2101 | CATAGGGTGT | TATAATTAGC | CATTTCCGGT | AACAGTCGTT | GGGAATTTAG | GAGGCTGCAA |
| | 2161 | AACGGCTGTA | GGTCAACATA | CATTGGGGAT | TCAGATGGTT | TATCTCGACG | TCCAAGTCCA |
| | 2221 | ATCAAAAAAG | CGTGTAATAT | ATCAGCCCCG | CCGCATGTTG | CTCGAAGAGC | ACATAACCTC |
| | 2281 | TTAACAACCGT | ACAGAGGGGA | TGGCGTCGGT | GCATGTGAGT | TGGCAGGGCA | TGTCACGTTT |
| | 2341 | GTTTCCAACG | CCAGTGGCGG | TATAACTTGT | GTAAACGACG | CCAACGGGTC | AGGTTTAAAG |
| 35 | 2401 | TTCACTCGGA | TGGGTTGACT | GCTTTCGGAA | GCTCCCGTTG | TATCCATTAA | TTAAACGTTT |
| | 2461 | GGTACACGTC | TGGTGTGTGT | TTTACCCGAA | TCAGAGACGG | AATTGCAAAG | ATATTGGTTT |
| | 2521 | GAAAGCAATG | TAATCCCGCC | CATATATCCC | CAACGTCGCC | TTAAAACTC | CCACAATATT |
| | 2581 | ACATTTTTTAT | TAGTCTTTTA | TTAATATAGA | ATCACATAAA | CAATTGATAA | AATCAAGGGG |
| | 2641 | TGGTGTATAA | TGATTAAAAA | TATAAATTGA | TATGTTTTAC | AAGCATGAAA | TAGGTATTTA |
| 40 | 2701 | CTATTCTAAC | AGGTAAATAT | GCTTAATGAT | TAAAAATACA | AATTAGTATG | TTTTGACAAG |
| | 2761 | CATGAAAAAG | GTATTTTTTA | TTTTAGCAGT | TAAAGGTACT | ACACTTAAAT | TATTTACCGT |
| | 2821 | ATGGACGGGC | GTCAGAAAGA | TGCCCGGCC | AAATTGAGAG | GGTACATTCA | ACACGACCAC |
| | 2881 | ACTCGCGTTG | GTGGGTGATT | AGGGCCTCTA | AAACACCGGC | CAGACATTGAC | CCGGGTGTAT |
| | 2941 | ATTCTTGTA | CACTTGAACG | TTACAACCTGA | TATCATCATA | TTCCACAAAT | TTAGAGCCAC |
| 45 | 3001 | GGACAACAT | ATTAGCAATG | CGGGCAATCA | TAACAAACAT | ATAAGTAGTA | ATACACGTGA |
| | 3061 | TATCACTAAA | ACGTTGCTGG | CGCAACAGTT | CGGGGAGAGT | ACGAGACCCC | AAATCGTTGT |
| | 3121 | CCCTGTTTTAG | AAGAAGACAT | CTTACAAAAG | GCCCCAGCTT | TAACTTTAAA | TTCTCCAAAA |
| | 3181 | GTGACTTTCGA | GGTTGCAACA | ATGGGATTAT | TTGTGTAGAT | GGGCAAGTTT | TTTGCCGCTA |
| | 3241 | ACATTTTAAAT | CCACGTTAAC | AGTTTCATCCG | CAGACTCCAA | CGCTTCAATC | AAAGATTCTC |
| 50 | 3301 | CACGTATGAC | TCTCTCACGC | AACGCGCGGG | CAATACGTGA | GTCCATTTTA | TATGACTCAA |
| | 3361 | AGGTACGATA | AAGTTCATGT | CCGTACAACA | TCAACTCCGG | CCAAGATGTG | TTTTGTTTTA |
| | 3421 | TCCCCGGA | ACATCCACCG | GAAGCCCATG | AATCACCCCTC | TTGTATTGTG | GCATATCGGA |
| | 3481 | CTACCAGTTT | TTCAATTGTT | TCATCTAAAT | GGCGTACCGA | GTCAATGGTC | ACGCTGGCTC |
| | 3541 | CCGCGGTGGA | GACGACTTCA | ATAGCACGGC | CCGTAATTTCG | ATCGACCGGG | ATATCATACT |
| 55 | 3601 | CTTTTTCGAAT | ACGCTCTCGG | CGGGCGTCTC | TCTTGGA | TGCGAACCTG | TACGATTTCGT |
| | 3661 | CATGTGTCTG | ATCATTTCTT | TCCTCCCGTGG | TCATTGCAGG | AGGCGTTGTA | GGACGCCGTC |
| | 3721 | TTCGATTTGA | CAGGGATCGA | TCACGGTGTG | TTCTTGA | TTGAGTGTGA | TAAGATCTGG |
| | 3781 | ATGATCGTCG | ATGTCCCCGT | TCGATGCGTG | CATATCCAGT | CTCCACGTCT | CTTCCTCCAT |
| | 3841 | GATGGTTTGA | ATCGGGTAAT | ACAACAACCA | AAGTTTTTCGG | GCGATTGTGG | TGGTAGCTTT |

| | | | | | | | |
|----|------|-------------|------------|-------------|-------------|-------------|-------------|
| | 3901 | CACGCCTTCC | GTGCCTTCGT | TTGGAATACC | GTGGATTATA | TGCTGTATCT | GCAGTACGCT |
| | 3961 | CCACATACAC | AGTTCTAGAC | GTTGTGGAGT | CCTCGCCTGG | AGTGGAGCCA | ATAGCTTCAT |
| | 4021 | CATTTGCCCA | ATCGGTGACT | TCCAATGCAA | AGTCATCCGA | AGGTTCGTCT | GGTAGCAAAT |
| 5 | 4081 | TCATAAAGTC | TTCACAAATA | GTAGACACGT | CTGGGTCGGT | TGGAATTGAA | GCAGAGGCCA |
| | 4141 | TGGCTGCAAA | ATATCTGACA | ATTGCGTGTT | TGCAGTTGCC | TGTATCTTCC | GCCAATGTTG |
| | 4201 | TAGAATTTAT | AGGCTCACCC | AACCCCGCAA | TGGGCGTGTT | TAGTCACATG | ATTAATGCTT |
| | 4261 | CTGGGAGTTT | TCACTTTCCC | CAAACAAGCT | TACCTGCACC | CTTTGTTTCT | AATGCATAAA |
| | 4321 | AATAACCACT | GCTATAGCAA | ATATGACGAT | ATAAAAAACAT | TTTATAGCAA | GGCCGGACAT |
| | 4381 | TACTGTAGCG | CAACATGTTG | TGCATATACC | ACGTATTCCC | CCCGTATTGA | TATGATTTAA |
| 10 | 4441 | ATGATTATCC | TTGGTTGGTT | TTGGTCTAAC | ATAAGATATA | AGCTCTACTA | TAGCGAGCGT |
| | 4501 | GCATACAACA | ACCCAGGCCA | GAATCCGAAT | GTATGTGGGG | TATAATAACG | CGCATGGTGT |
| | 4561 | ATATGCAACG | CCAAGCGTTA | AAAGCACAAAT | ACATCCAGAT | GATATATGAG | CGATAACCTC |
| | 4621 | CAAAAGCATC | AATAACGTAA | CACCTTTTATG | CATATATAAA | AACTTTATAG | GGTCAGCATT |
| | 4681 | AAATACTTTA | CTCATACCAT | CCCGTCGCAT | GGAAACATCA | CATAACAACC | TTGCCAACTT |
| 15 | 4741 | TGTATATGGG | TAACCAAGAA | GAATGTTTCGA | AATAACCCGT | GTTACGTAAT | TCAGTGAATA |
| | 4801 | TGATGTGGGG | GATATTAAC | CACAGGATGA | TCGGAATGGC | CCAAACATAC | GACGTATTTCG |
| | 4861 | TCGAAAT'TGT | AAATACATAC | CATATACAAA | CCATGCAAAA | AAAATCATTT | TTAGCTGCAC |
| | 4921 | GCACCAAAAA | TAAGCGTGAC | AATTACGTGT | TCCCAGAACA | ATTGCAATTT | TGTCATGCAA |
| | 4981 | AGGTGTAGAA | ATAGCGGTTT | TTACCATAGT | ATCTCCTGAT | AATAGATTTT | CCCGGCAGCT |
| 20 | 5041 | GTAATCGTAT | CCAGATAGGC | CATCCAAAAA | CGTTGAGTGG | TTTACAAACG | TTACATATAT |
| | 5101 | AAGAGAGTTG | TTATAAGACC | CCCATACAAC | CGGTCCACCA | TTAATCACCG | TGGTTGCATA |
| | 5161 | CACACACTCA | TGTTCAAAC | TTACACGAGC | GGTATACCAT | AGGGTAAAAA | CAGCATGTCC |
| | 5221 | GCTAAGTAGA | CACATAATTA | TAAAATGTTC | TGTCTTGATT | CCTAAAGCCT | GCATGACCCG |
| | 5281 | TGGAAGATGG | CAATTCAAGC | ACGATGTAGT | ATCACACGGT | TGGTGTAAAC | TCGAAGTTAA |
| 25 | 5341 | ATTTGGATAA | TTAGGTACTT | CTAGAGTAAA | GATTTGTATGC | ATGCGATTGC | TATCGCACTT |
| | 5401 | TGTAGCAAAA | CATTGTTGTG | CAAGCGAAAT | ACACAAACGG | TTGTGATGAT | CCACTCGCAG |
| | 5461 | AGACACAAAT | GTCCGGGGAG | CCGTTCTTCC | TCCGCGATGG | GGATATCGAA | GACAAGTGAA |
| | 5521 | CCCTTTTGTT | CCGCATATGA | GCTGAAATAA | CACCCAGTCC | CTTTTGATGG | CGATACACTT |
| | 5581 | TGATGATGTT | AAGGTATATT | CGCGATCACG | CCCGGGGAAA | TGAACAGCAA | TATGCTCCAC |
| 30 | 5641 | AATAGATTCT | AATATTGTGC | TGTCGACAAA | GGCCTCCAGT | GTAAATGCGT | CCAGACAAGT |
| | 5701 | TACCCCGCGC | TCTTTTAGAG | CCTTTGTTAA | AGATATTTGC | GGGGAGCTAA | ATATTTGTTT |
| | 5761 | ATTACGCGCA | ACCTTACGTT | CAAAAAACTC | TGCGTATTCC | CCCCCAAGGT | TATGTAAAT |
| | 5821 | AAATTGCAC | GGAACATTGC | ACTGCGGTCT | TGAATGAAAA | TGAAAGTTTG | CCGGGTTTCT |
| | 5881 | ATGTGATGTC | ACAAACGCTA | ATATATCAAT | ACACTGCTCA | GGTACAACAT | AAAATGGGAG |
| 35 | 5941 | TAGTTGTCCA | ACCGCCGTCC | CTGTGGTTGT | TACTTTGGAG | AAAAAAGGCA | GTCTTAAACT |
| | 6001 | ATGTCCGTGG | CTATAAACAC | CAGTATCTAT | AAACGAAAAG | TCCCGTAAAT | ACGGACCAAT |
| | 6061 | ATATTCAACA | AATTCCCGTT | CCAGCAACAC | CGCTTGCTGT | AATATTTGTG | CAAACCCCTT |
| | 6121 | TAAAGTGGAA | GACCCCACTA | ACGCATAGGG | ATTTGGGATT | GGTACGCATA | CCCTGAAACC |
| | 6181 | TATTTTCTCT | TTACAGTTAC | AGGGTAGAGT | TTTCATGCAAG | TTTTTCATTGT | TTGATACATC |
| 40 | 6241 | GGCGTGTGTA | TGGACTTCAG | ACGTTGTCTG | TGTATCAAAA | AACCATACAT | CCTCTGTATA |
| | 6301 | ATTCTCTTCT | ACACACGTGT | ATAATTCGCG | ATTTTCTATG | TAAAAATCGA | TGTCAGAATG |
| | 6361 | GCTGGTTATA | TCCAATAAAT | TATCATCATC | CAACACCTCA | ACGGTAGGTT | CAGGACATGC |
| | 6421 | AGTTT'TATAA | AAATAACATG | GGTCTTTGTT | AGGGTTTACC | ACGGCCTTTG | GAAAAAGTAA |
| | 6481 | TTGCATGGCC | GTTAAATAAC | CATGACGAAA | TGCTCGCATG | CCGGCATGTA | AAATACCCAA |
| 45 | 6541 | TGGGATGGGT | TTTCTTATAT | GAAAGTCTAC | ATCAAGTATG | AGGTTTGTGA | TTATAAGATT |
| | 6601 | TGTATTAAAT | AGCTCATTCC | TGTTTATATA | AAGCTGATCT | TTGGGTATGT | TTGATGAAAT |
| | 6661 | TTTAGAAACG | TTTTTAACAG | ACGTAGATAA | TAGTAAAGTC | AAGTGCATAT | CTCGTAGTGA |
| | 6721 | AGCGGCAACA | AAATTACATG | GATTAATTTG | TTTAAAGTCC | TCCGCAATTA | ATCGAGCCTC |
| | 6781 | GTGCGGTAAA | GTGTAACGGT | TTGTTATTGA | TGACCACGTA | TCATTAGCAA | TAACAGCAAA |
| 50 | 6841 | TGCTTGGGCG | CCGTGAGGCA | AGGCTACCCG | ATATACAGGC | ATTGGTCCAG | TTACCTCAGA |
| | 6901 | AATGCCGATG | AGGGCTTCTA | ATGGAGTTTT | ATAACTCAGG | ATGGATACAT | CATGTGTGGC |
| | 6961 | TATCCCAGTG | GCAGCAGAGA | AAAACAGTAA | TAGTTTGTGA | ATCCCCGGGC | TCGTATCAAA |
| | 7021 | ACCAGTACGA | CCACTTTGGT | TAGGTGTATC | GTTTGCAAAAG | TTGGCTGCTC | GTAACGCCCTC |
| | 7081 | CGCGGAAACA | CCCGAATCCT | CAAAATTAGA | CAATTTCGTCA | AAACCGGGTG | GATTTGAGGG |
| 55 | 7141 | AATAGTGGAG | GACCATCCAT | ATGGACTAAA | TTGTTTTTCA | ATGTTTTTCCA | CACGACGAGT |
| | 7201 | TAGCGTTGTA | GCTAGGTCAC | ATACGCCTAT | AAACTTGCTA | GGTTTTTGCGG | CATACGTAAG |
| | 7261 | ACTTAAAGTA | TATGTTTTAG | TAATTGTATA | TTTATGTCCA | ATCTCAGGTC | CAAGTTCAGT |
| | 7321 | GACATCACAA | ATTACGTTCT | TTTTTATATA | GTCACGCATG | TTGAGACGAG | AACGTACATG |
| | 7381 | ATTAAAAAAA | TTAGCAGTAG | CTCTTTTTC | CAGGTTGGAT | GATTTTAAGA | GGACCGGTTT |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|------------|-------------|
| | 7441 | ATTCACAAAA | TCTGAGTATG | TAACCGCTTG | TAGGTGGTCT | GCGATCTGTT | TCCGATTGAA |
| | 7501 | ACATTCAAAA | TGTGCCAGAT | AAATATAATC | AACAAATTCA | CGGTCTGGAA | CTTTAAGGCC |
| | 7561 | TTTTCTATCG | TTGGTAATAT | ACTCCGATAC | TGCGTGTATT | TCCGTTGTGT | CTGTATGTAT |
| 5 | 7621 | TCGCTGTAAA | ATGTACGATA | GAGCATTTTT | GGCTGTCAAA | CCTCGTGTAT | ATGTTGAGGA |
| | 7681 | ACAACAAAAC | ATGGAAAGTT | TATCAAAAAGA | CAACAAGTCC | GAAATATTGT | ACCCACTACA |
| | 7741 | ATTAGGTAAT | GCCGGGACTT | GGTAAGTTAA | AAACAAATCT | TTAATTGCCT | GTAAGTCATA |
| | 7801 | TAAGGGGGTT | TCCAACGTAT | TGTAACCTGT | GTC CGTTTGT | AACAAGTAAT | AGCGTGTAGC |
| | 7861 | CAACACTAGC | GTTTTTTCAG | AGGGTCCAAA | TCGAACAATA | TACCAAAACG | GCGAGCATCC |
| | 7921 | ATACCCCCAG | TAGAGTCGTC | GATATGCAGC | CAATACTTGA | CGTTCGTAAT | GGGCATATAA |
| 10 | 7981 | TGATGTTAGC | TCCTGACGAC | CAACGGATTT | TTTAACTAAC | TTGCAGAGTG | TTGCCCTCTGT |
| | 8041 | GATGCATAGG | CCGTTGTCCG | ATAATCCCTT | TCGGTTTAAA | TGGTGTGTTG | TTACCATCAG |
| | 8101 | AGTTTGTATA | ACTTCCGAGT | GAATGTCAAA | CGTCTCCGAT | ATACATAGGG | TATCAGATAT |
| | 8161 | TATATGCGGA | TTTAGGGGTG | CTCCATACCA | TAA CGCCTTA | TATAAAGCTT | TAAAATCAGT |
| | 8221 | TTGGGT'TTTA | AAACAACAAA | AAAATATAGG | CCAGACCCGG | GATCGTACAT | CTCCAGTTGA |
| 15 | 8281 | AAATCCACCA | ATTAAATAAA | AAATAACGTT | GACGTCCCTA | CTACAAAATA | AATGCATTAT |
| | 8341 | TTGGT'TTTCT | TCATCGT'TTT | CAGTTACTTC | ACGTGGGCGT | TTAGTTGGGA | TTACTTGGCT |
| | 8401 | GATCTCTTCC | CTCCCATTTT | TGACAAAGAC | GTCATCTAAG | TCGGGAGTCC | AAGTATAACT |
| | 8461 | CACCACATAC | AGAGGTTCTG | TGCTTATCTG | CCC GGTAAGC | AACAACAGCG | AGTGGGAGAT |
| | 8521 | TGCACATCCC | TTTGTGGCAA | ATAATAACCG | AATCGTCGGT | TTGGAGGATT | TATCCATAGT |
| 20 | 8581 | TCAATACGTT | GGAAAGCCAG | TCAATCATGC | AGACGGTGTG | TGCCAGCTTA | TGTGGATATG |
| | 8641 | CTCGAATACC | AACTGAAGAG | CCATCTTATG | AAGAGGTGCG | TGTAAACACG | CACCCCCAAG |
| | 8701 | GAGCCGCCCT | GCTCCGCCTC | CAAGAGGCTT | TAA CCGCTGT | GAATGGATTA | TTGCCTGCAC |
| | 8761 | CTCTAACGTT | AGAAGACGTA | GTCGCTTCTG | CAGATAATAC | CCGTCGTTTG | GTCCGCGCCC |
| | 8821 | AGGC'TTTGGC | GCGAACTTAC | GCTGCATGTT | CTCGTAACAT | TGAATGTTTA | AAACAGCACC |
| 25 | 8881 | ATTTTACTGA | AGATAACCCC | GGCTTAAACG | CCGTGGTCCG | TTACACATAT | GAAAACCTCAA |
| | 8941 | AACGGCTTGC | TGATATGTGT | TTAGCTGCAA | TTACCCCATTT | GTATTTATCG | TTGGCGCGCG |
| | 9001 | TGGATGTTAC | TACGGATGAT | ATTGTGCGATC | AAACCCTGAG | AATGACCGCT | GAAAGTGAAG |
| | 9061 | TGGTCATGTC | TGATGTTGTT | CTTTTGGAGA | AAACTCTTGG | GGTCGTTGCT | AAACCTCAGG |
| | 9121 | CATCGTTTGA | TGTTTCCAC | AACCATGAAT | TATCTATAGC | TAAAGGGGAA | AATGTGGGTT |
| 30 | 9181 | TAAAAACATC | ACCTATTAAA | TCGGAGGCGA | CACAATTATC | TGAAATTAAA | CCCCACTTA |
| | 9241 | TAGAAGTATC | GGATAATAAC | ACATCTAACC | TAA CAAAAAA | AACGTATCCG | ACAGAAACTC |
| | 9301 | TTCAGCCCGT | GTTGACCCCA | AAACAGACGC | AAGATGTACA | ACGCACAACC | CCGCGGATCA |
| | 9361 | AGAAATCCCA | TGTTATGCTT | GTATAAATAT | TGAAATAAAA | ACTAAAACG | TTTCTGGTGT |
| | 9421 | ATGTTTTTAT | TTTGATATA | AAATTAACAT | ATTGCTGGCT | GGCGTGTTA | TTCACTTAA |
| 35 | 9481 | TGTTTTAGTA | GAAAATCGAC | ATCGTTTGT | TCTTTATCAG | TTGAACCAA | TCCACGCGTT |
| | 9541 | CCCCGTTCGC | TGGGTGTGGC | TATTAGATCT | AACGTTTTAG | TAAAATACCA | TTGTACACCC |
| | 9601 | GGTATGCCAC | ATTTACCGCG | GATAGCATAA | GGAAATGCAA | TATTACTTAA | AACGTTGTGT |
| | 9661 | TTTAAGTGTA | TTTGGGTGTT | GTGATCTATT | AACAGGACCT | GTGCAAGACG | ATCTCCCGTT |
| | 9721 | TTTATACGTA | TGTCATCACC | CGTGAGATTA | TATACGTAGA | ATTTACAGTG | TTCTCCTGCA |
| 40 | 9781 | GGCCATGCCG | TTGGACACAC | GATAATGCCCT | GATCGGCTTT | TCGATGATCT | TCCAAAAATA |
| | 9841 | TAAGCGTTTA | TACTCGGATG | TTGTAAGTCC | CAGTCTCTTA | TAATCGGTAA | GACAATTTTT |
| | 9901 | ATAAATTCAT | TCCTTTTTTA | ATATAGGTTA | TATGGTACAC | AAATATCATA | TCCCGCGTCT |
| | 9961 | TCTTGCGGTT | TTGGATTGAT | GATATGTTTG | TAGGTTAAGG | GAACATCGAT | ATGGTATTCT |
| | 10021 | GCAGAATCCC | TATGTAAAGG | TTGCCCTGTC | TGTACCGTGG | AAATATCAGC | AAATTCAGGT |
| 45 | 10081 | ATAACGGGTT | TTTCATAATT | TGACGGCGAG | TTTGATAAAG | GTTGAACTTG | TATCGATTTA |
| | 10141 | AAAATTGGAT | CCAGATGTTT | AAGAACGTTT | TTTGGGAGAA | GGCGACTTTG | TCTTAATTTT |
| | 10201 | ACCGGGAACA | AGTAGATTGT | TAAATGTCCG | GGTAAAATAA | CGGTTACTCC | TGGCCGGTAA |
| | 10261 | TACAAAAGGG | CTGAAATTAC | TCCTCTGTAA | CCCGCATCAA | TAACTCCGTT | GGCGACAAAA |
| | 10321 | AAATTGTCTT | CATCAGCAAG | GGCAGTATCT | TTGCATTGAA | TTAACAACAG | TGCGTATTCA |
| 50 | 10381 | TTGGGAGGCG | CCGACTTAAC | CAACAGCTCC | AAC'TGCTGCA | TATAAAAACC | GCCCCGTGTT |
| | 10441 | ACAGATTTTT | CAGATGGCAG | TTCCAGTTTC | TTGTGGTTCC | GGAGTAACAA | CGGTGTGATG |
| | 10501 | CGACTTACTT | TATCGTCTAA | CACGATTCG | AGCGTATCTG | CACAGTACAG | TTGAACTTCT |
| | 10561 | ATTAAAATTG | TATCTTTTAA | ACACCGATTC | GGAATAGTTT | GGCTACAAAA | CATATCACCT |
| | 10621 | GTATTTACTG | CCGTTTCCAA | GATGGGATCA | ATTACCGCTT | CGTTCATATT | AATAACGATG |
| 55 | 10681 | CAAATTTTAT | TTTTTTGTGA | AGACAGCAGT | GGGGAGCCAA | ACTTTGCAGA | ACGGAATTTT |
| | 10741 | TGGCATGCCA | GCTGTTCCGG | TCGTGGAGTT | TATATCGACG | GATCAATGAT | CACCACCTTT |
| | 10801 | FTCTTCTACG | CATCCCTTTT | GGGGGTGTGT | GTAGCCCTTA | TTTCGTTAGC | TTATCATGCG |
| | 10861 | TGTTTCCGGT | TATTTACTCG | TTCTGTATTA | CGCAGCACGT | GGTAAACCCG | TTTGCCCTATA |
| | 10921 | AAAGGGGCAG | GCGTGTATAA | GAGGGCCCCCT | GTTTAATACG | CGGTCTGCCG | TGTTTGGATA |

| | | | | | | | |
|----|-------|------------|-------------|-------------|-------------|-------------|-------------|
| | 10981 | TTTCACGACC | CTATCGTTTA | TTTACGTAAT | GGCATCTTCC | GACGGTGACA | GACTTTGTCTG |
| | 11041 | CTCTAATGCA | GTGCGTCGTA | AAACAACGCC | TAGTTATTCC | GGACAATATC | GAACCGCGCG |
| | 11101 | GCGAAGTGTG | GTCGTAGGAC | CCCCCGATGA | TTCAGACGAC | TCGTTGGGTT | ACATTACCAC |
| 5 | 11161 | AGTTGGGGCC | GATTCTCCTT | CTCCAGTGTA | CGCGGATCTT | TATTTTGAAC | ATAAAAAATAC |
| | 11221 | GACCCCTCGC | GTACATCAAC | CAAACGACTC | CAGCGGATCG | GAAGATGACT | TTGAAGACAT |
| | 11281 | CGATGAAGTA | GTGGCCGCCT | TTCGGGAGGC | CCGTTTGAGA | CATGAACCTGG | TTGAAGATGC |
| | 11341 | TGTATATGAA | AACCCGCTAA | GTGTAGAAAA | ACCATCTAGA | TCTTTTACTA | AAAATGCGGC |
| | 11401 | GGTTAAACCT | AAATTAGAGG | ATTACACGAA | GCGAGCTCCC | CCGGGAGCAG | CGCAATTTGC |
| | 11461 | CAGCGGGAGA | CCAATTTCTT | TCAGCACTGC | ACCAAAAACC | GCAACAAGCT | CGTGGTGCGG |
| 10 | 11521 | TCCTACGCCA | TCATATAACA | AACGCGTCTT | TTGTGAAGCG | GTCCGGCGCG | TAGCCGCCAT |
| | 11581 | GCAGGCACAA | AAGGCTGCCG | AAGCGGCTTG | GAATAGTAAT | CCCCCAAGGA | ATAACGCCGA |
| | 11641 | ATTAGACCGT | TTGTAAACCG | GAGCCGTTAT | TCGTATTACG | GTGCATGAGG | GTTTAAATTT |
| | 11701 | AATACAAGCC | GCTAATGAAG | CAGACCTAGG | TGAAGGAGCA | TCGGTATCCA | AACGTGGACA |
| | 11761 | TAATCGAAAA | ACTGGAGATT | TACAGGGGGG | CATGGGTAAT | GAACCTATGT | ACGCACAAGT |
| 15 | 11821 | TCGTAAGCCA | AAAAGTCGAA | CGGATACACA | AACGACTGGG | CGTATAACTA | ATCGAAGTAG |
| | 11881 | GGCCCGTTCT | GCATCAAGAA | CTGATACGCG | AAAATAGGGA | TATAATTACG | CAGTAACGGT |
| | 11941 | TTACCCGGTA | TTATGTATAA | TAAATAAACG | TATAAAAAGAC | AGTCGTGGTT | TGTGTTTATT |
| | 12001 | ATAAATGTGT | ATTATATGTC | ACATATTATA | AACTGTTTAA | ATAGTACCAC | GTGGTATTAT |
| | 12061 | GAACAGTTTA | TAATCAGTTG | CTACCAAAACA | AACCCCATTA | GACGGCGGGT | TTTGATAAAG |
| 20 | 12121 | GGAATCGCTT | ATTTAAACTA | AAGATTTTAC | TCTATAAGTA | TGGAGTGTA | TTTAGGAACC |
| | 12181 | GAACATCCTA | GTACAGATAC | GTGGAATCGT | AGTAAAACGG | AACAAGCGGT | TGTGGACGCA |
| | 12241 | TTTGATGAAT | CGTTGTTTGG | TGATGTAGCA | TCGGATATTG | GATTTGAAAC | GTGCTTATAT |
| | 12301 | TCACATGCAG | TTAAAACCTG | TCCGTCTCCG | CCTTGGGTAG | CTAGCCCTAA | AATTTTATAT |
| | 12361 | CAACAGTTAA | TACGGGATCT | TGATTTTTCG | GAAGGGCCGC | GTTTACTATC | ATGCTCTGAA |
| 25 | 12421 | ACCTGGAACG | AGGATTTATT | CTCATGTTTT | CCTATTAATG | AGGCACCTATA | TTCCGATATG |
| | 12481 | ATGGTTTTAT | CCCCGGATCC | AGATGACGTT | ATCTCAACCG | TTTCAACCAA | AGACCATGTT |
| | 12541 | GAAATGTTTA | ATTTAACAAC | CCGGGGTTCC | GTTTCGATTG | CTAGTCCACC | AAAGCAACCG |
| | 12601 | ACGGGGCTTC | CAGCTTACGT | TCAGGAGGTC | CAGGATTCTG | TTACCGTAGA | ACTACGCGCC |
| | 12661 | CGGGAAGAAG | CATACACAAA | ACTACTAGTT | ACTTATTGTA | AATCGATTAT | ACGTTATCTC |
| 30 | 12721 | CAAGGAACGG | CGAAAAGGAC | GACAATAGGT | CCTAATATAC | AAAACCCTGA | CCAGAAAGCT |
| | 12781 | TACACGCAAC | TCAGGCAAAG | TATTCTACTT | AGATATTATC | GTGAGGTGGC | AAGTTTGGCG |
| | 12841 | CGTCTTCTGT | ACCTACATTT | ATATTTAACC | GTAAACGCGT | AATTTTCTCT | GCGTTTGTAC |
| | 12901 | GCCAGTCAAT | CTGCACACCC | GGACGTGTTT | GCGGCTTTAA | AATTCACCTG | GACCGAACGT |
| | 12961 | CGACAGTTCA | CGTGTGCGTT | TCATCCTGTA | TTATGCAACC | ACGGCATTGT | GTTATTAGAA |
| 35 | 13021 | GGGAAACCAC | TAACAGCGTC | TGCCCTTGAGG | GAAATAAATT | ACCGCCGCCG | AGAACTGGGA |
| | 13081 | CTGCCTCTAG | TTAGATGTGG | TCTTGTGTA | GAAAACAAAT | CTCCGTTGGT | TCAACAACCC |
| | 13141 | TCATTTTCGG | TTTATTTTACC | ACGGTCGGTG | GGTTTTCTTA | CCCACCACAT | TAAGCGTAAG |
| | 13201 | TTAGACGCAT | ATGCGGTCAA | ACATCCTCAA | GAACCGAGAC | ATGTACGAGC | GGATCATCCT |
| | 13261 | TACGCAAAAG | TTGTTGAAAA | TAGAAACTAC | GGTAGTAGCA | TCGAAGCTAT | GATTTTAGCA |
| 40 | 13321 | CCTCCGTCCC | CATCCGAGAT | CCTGCCGGGG | GACCCACCAC | GCCCACCAC | GTGTGGGTTT |
| | 13381 | TTAACGCGTT | AAACGTCATT | GGGGTAGAGG | GTGTAATAA | ATTACGAAAA | CGTGCATGCG |
| | 13441 | TTTTTTTATT | TTACAATGCG | CCGTATATGG | TATGTCTGTC | ATGTGCTCTA | AAGTCCCAT |
| | 13501 | TATAAAGAA | GCCCCAACGA | GTGTATGCGT | ATTGCGTACC | GCGACCCTGG | GATGTTTTAC |
| | 13561 | AGGCGCGTTT | GTTTGTCTCG | GTTATAAGTA | TGCAGTCGGG | TCATTATAAC | CGGAGGCAAT |
| 45 | 13621 | CCCGCCGACA | GCGGATATCG | TCTAATACCA | CAGACTCCCC | CCGTCACACA | CACGGAACAC |
| | 13681 | GTTATCGGTC | AACCAATTGG | TATACACACC | CACCCACAGAT | ATTGTCCAAT | TCAGAAACAT |
| | 13741 | TAGTTGCGGT | TCAAGAACTA | CTGAACCTCG | AGATGGATCA | GGACAGCAGT | TCTGACGCAT |
| | 13801 | CGGATGATTT | TCCGGGATAC | GCCTTACATC | ATTCTACATA | TAATGGATCC | GAACAAAATA |
| | 13861 | CATCAACTTC | CAGACATGAA | AATCGCATAT | TTAAATTAAC | GGAGAGGGAA | GCTAATGAGG |
| 50 | 13921 | AAATCAACAT | CAATACGGAA | GCGATCGACG | ACGAGGGAGA | GGCGGAGGAG | GGAGAGCGCG |
| | 13981 | AGGAGGACGC | GATCGAGCAG | GAGGAGAGGG | CGGAGGAGGG | AGAGGCGGAG | GAGGACGCGA |
| | 14041 | TTGACGACGA | GGGAGAGGCG | GAGGAGGGAG | AGGCGGAGGA | GGACGCGATT | GACGACGAGG |
| | 14101 | GAGAGGCGGA | GGAGGGAGAG | GCGGAGGAGG | GAGAGGCGGA | GGAGGGAGAG | GCGGAGGAGG |
| | 14161 | ACGCGATCGA | CGACGAGGGA | GAGGCGGAGG | AGGACGCGGC | GGAGGAGGAC | GCGATCGACG |
| 55 | 14221 | ACGAGGGAGA | GGCGGAGGAG | GATPATTTTT | CTGTAAGTCA | AGTTTGCAGT | CGAGACGCGG |
| | 14281 | ATGAGGTTTA | TTTTACGTTA | GACCCGGAAA | TAAGTTACAG | TACCGATCTT | CGCATTGCAA |
| | 14341 | AGGTTATGGA | GCCTGCGGTA | TCAAAGGAAC | TTAATGTATC | AAAACGTTGT | GTTGAACCTG |
| | 14401 | TTACCCTAAC | AGGCTCTATG | TTAGCGCATA | ATGGGTTTGA | TGAGTCCTGG | TTTGCTATGC |
| | 14461 | GCGAATGTAC | CCGTGCGGAA | TATATTACGG | TCCAAGGATT | ATACGACCCA | ATTCATTTAC |

| | | | | | | | |
|----|-------|------------|-------------|-------------|------------|-------------|-------------|
| | 14521 | GGTATCAGTT | TGATACTTCC | CGGATGACAC | CCCCACAGAT | TTTGAGAACT | ATACCAGCCC |
| | 14581 | TTCCTAACAT | GACACTTGGT | GAACTTTTAT | TGATTTTTCC | TATTGAATTT | ATGGCCCAGC |
| | 14641 | CAATTTCTAT | AGAACGTATT | TTAGTTGAAG | ATGTATTTTT | AGATAGGCGG | GCTTCCAGTA |
| 5 | 14701 | AAACACATAA | ATACGGCCCC | CGTTGGAATT | CCGTCTACGC | ACTTCCATAT | AATGCGGGTA |
| | 14761 | AAATGTATGT | ACAACACATT | CTGGGTTTTT | ATGACGTGTC | CTTACGTGCT | GTGGGCCAAG |
| | 14821 | GAACGGCCAT | TTGGCATCAC | ATGATATTAT | CCACAGCAGC | ATGCGCTATT | TCTAATCGCA |
| | 14881 | TTTCACATGG | AGATGGATTA | GGATTTTTGT | TAGACGCGGC | AATTCGTATT | AGCGCAAAC |
| | 14941 | GTATTTTTTT | GGGACGTAAC | GATAATTTTG | GCGTGGGGGA | TCCATGTTGG | TTAGAAGACC |
| 10 | 15001 | ATCTTGCCGG | ATTACCACGA | GAAGCCGTAC | CCGACGTACT | CCAAGTGACA | CAGTTGGTTT |
| | 15061 | TGCCAAATCG | GGGTCCAACG | GTTGCCATTA | TGCGTGGTTT | TTTTGGGGCG | TTGGCATATT |
| | 15121 | GGCCCGAACT | AAGAATTGCT | ATAAGTGAAC | CATCTACATC | TTTGGTGCGA | TATGCTACCG |
| | 15181 | GTCACATGGA | ACTTGCCGAA | TGGTTTTTAT | TTTCACGTAC | ACATAGTTTA | AAGCCACAAT |
| | 15241 | TTACCCCAAC | GGAACGGGAA | ATGTTAGCGT | CATTTTTTAC | GTTGTATGTT | ACTCTTGGTG |
| 15 | 15301 | GAGGAATGTT | GAACCTGGATC | TGTAGAGCAA | CTGCAATGTA | TTTAGCTGCT | CCTTACCATT |
| | 15361 | CCCGTTCGGC | TTACATCGCG | GTCGTGTAAT | CTCTGCCCTA | TTACTATATC | CCGGTTAATA |
| | 15421 | GTGACCTGTT | ATGTGATTTA | GAGGTATTAC | TGTTAGGCGA | GGTCGACCTC | CCAACTGTTT |
| | 15481 | GTGAATCCTA | CGCAACTATT | GCACACGAAT | TAACCGGATA | TGAGGCTGTT | CGCACAGCAG |
| | 15541 | CCACAAATTT | TATGATAGAG | TTTGCCGATT | GTTATAAGGA | AAGTGAGACC | GATTTAATGG |
| | 15601 | TAAGCGCGTA | CCTGGGGGCC | GTTTTATTGT | TACAACGGGT | GTTGGGTCAT | GCAAATCTTC |
| 20 | 15661 | TTTTGTTGCT | TCTCTCCGGT | GCTGCGTTGT | ACGGAGGATG | TTCAA'TTTAC | ATCCCCGAG |
| | 15721 | GTATTTTAGA | TGCATATAAT | ACTTTAATGT | TGGCAGCAAG | TCCTCTTTTAC | GCTCACCAAA |
| | 15781 | CTTTAACATC | CTTTTGGAAA | GACCGCGATG | ATGCAATGCA | AACTTTGGGG | ATTCGACCGA |
| | 15841 | CAACGGACGT | TTTACCCAAA | GAGCAAGACA | GGATAGTTCA | GGCATCACCT | ATAGAGATGA |
| | 15901 | ACTTCCGTTT | TGTGGGATTG | GAGACCATCT | ATCCCCGAGA | ACAGCCCAT | CCCTCCGTGG |
| 25 | 15961 | ACCTAGCCGA | AAATCTTATG | CAATACAGGA | ATGAAATTCT | GGGTTTGGAT | TGGAAAAGCG |
| | 16021 | TAGCCATGCA | TTTACTACGA | AAATATTAA | GTTTGTGATT | TTTTTCATTA | TGATGAAAAG |
| | 16081 | AACGTTTCCT | AGCCACACCC | ACAAAGGAGT | TTGTAAAATA | AAATCTCTGT | TTAGACCTTA |
| | 16141 | AAATTTGTTG | TGTGTGTTGT | GTGGGGGGTC | CGTGAGGATC | GACCTTTTACA | AGATATAATT |
| | 16201 | TGTCCATATC | GCAATGTTTT | CTCGGTTTGC | GCGTTTCTTT | TCCAGCGATG | ATAGAACGCG |
| 30 | 16261 | TAAATCTTAT | GATGGTAGTT | ACCAAAGTTT | TAATGCCGGC | GAACGTGATT | TGCCCACACC |
| | 16321 | TACCCGGGAC | TGGTGTCTTA | TTTCCCAACG | CATAACCAGC | GAGCGCGTGA | GGGATGGATG |
| | 16381 | TCTTATTCCA | ACGCCCCGGC | AGGCTTTGGA | GACGGCGGTA | AAGGCTTTAT | CTGAAAAGAC |
| | 16441 | CGACAGCCTA | ACATCGCCGG | TTTTACAAAG | TACCGAAAGA | CACAGTGTTT | TGCTTGGATT |
| | 16501 | ACACCATAAT | AATGTTCCCTG | AATCGTTGGT | GTTCTCGTGT | ATGCTAACC | ATGTTTCATGA |
| 35 | 16561 | CGGGTTTATG | CAGCGTTATA | TGGAAACAAT | TCAAAGATGT | TTGGATGACC | TGAAACTTTC |
| | 16621 | TGGGGATGGA | CTTTGGTGGG | TTTATGAAAA | TACATATTGG | CAGTATCTCA | AATACACCAC |
| | 16681 | AGGAGCCGAG | GTACCGGTGA | CTTCAGAGAA | GGTAAATAAA | AAGTCTAAAT | CCACGGTTTTT |
| | 16741 | GTTGTTTTCA | TCCGTAGTTG | CCAATAAACC | AATATCCAGA | CATCCTTTTA | AATCTAAAGT |
| | 16801 | TATAAATTCG | GATTACCGGG | GAATATGTCA | GGAGCTACGT | GAGGCGTTAG | GAGCTGTGCA |
| 40 | 16861 | AAAGTATATG | TATTTTATGC | GTCCAGATGA | TCCTACAAAC | CCCAGCCCGG | ATACAAGAAT |
| | 16921 | ACGTGTACAA | GAAATTGCGG | CTTACACGGC | TACTGGCTAC | GGGTGGATGT | TATGGTTCTT |
| | 16981 | GGACGTTGTG | GACGCCAGGG | TATGTCGCCA | TCTCAAACCT | CAATTTTCGAC | GGATTCGAGG |
| | 17041 | GCCGCGCGCG | TCTGTTATTC | CAGATGATTT | GCTTAGACGA | CATTTAAAAA | CGGGTCTCTG |
| 45 | 17101 | GGTCTCAGCG | GGCACAGGAG | TTGCGTTTTAT | TTTAGCAGCA | ACAAC'TGCCA | GCGCTCTTAC |
| | 17161 | TGCGCTTTTG | CGTATTAGTG | TATTATGGCG | AAAGGAAGAG | TGGCGGGATG | GTTTAAATGG |
| | 17221 | AACCGCAGCT | GCAATTGTTG | CGGCGGTTGA | ACTTATTACG | CTTTTGCACC | ACCATTTTCA |
| | 17281 | ATACTTAATT | AATATGATGC | TTATTGGATA | TGCATGTTGG | GGGGATGGGG | GATTAAACGA |
| | 17341 | TCCTTATATA | TTAAAGGCGC | TACGTGCCCA | GGGACGGTTT | TTATATTTTTG | CGGGTCAGTT |
| | 17401 | GGTCAGAACA | ATGTCAACAC | ACAGTTGGGT | TGTGTTAGAG | ACCAGCACCC | ATATGTGGTT |
| 50 | 17461 | TTCCCGGGCC | GTGGCGCAGA | GTATTTTAGC | ACATGGGGGT | AAACCCACAA | AGTATTATGC |
| | 17521 | TCAGGTTCTT | GCCGCCAGTA | AACGGTATAC | TCCGTTACAT | TTAAGACGTA | TATCCGAACC |
| | 17581 | ATCGAGTGTG | TCTGATCAGC | CGTATTTTCG | TTTTAATCGA | CTGGGATCTC | CAATAGGGAC |
| | 17641 | AGGTATAGGG | AATTTGGAAT | GTGTCTGTTT | AACGGGAAAT | TATTTATCTG | ACGACGTAAA |
| | 17701 | TGCAAGTTCG | CATGTAATTA | ATACAGAAGC | ACCGTTAAAC | AGTATAGCAC | CCGATACAAA |
| 55 | 17761 | TAGACAGCGG | ACTTCTCGCG | TTTTAGTTTCG | TCCAGACACG | GGTTTGGATG | TAAGTGTCCG |
| | 17821 | AAAAAACCAC | TGTCTGGACA | TAGGCCATAC | GGACGGTAGT | CCAGTTGACC | CAACGTATCC |
| | 17881 | TGATCATTAC | ACCCGGATAA | AGGCGGAATA | TGAAGGTCCG | GTTCCGGATG | AATCAAACAC |
| | 17941 | AATGTTTGAC | CAAAGATCGG | ATTTACGTCA | CATAGAAACC | CAAGCATCTT | TAAATGATCA |
| | 18001 | CGTATATGAA | AATATACCAC | CCAAGGAAGT | GGGTTTTAAC | TCATCTTCAG | ACCTGGATGT |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|------------|-------------|
| | 18061 | GGATAGCCTT | AACGGGTACA | CCTCCGGAGA | CATGCATACA | GACGATGACT | TATCACCAGA |
| | 18121 | TTTTTATACCC | AACGACGTTC | CCGTTAGATG | TAAAACCACG | GTTACGTTTA | GGAAAAATAC |
| | 18181 | GCCTAAGAGT | CATCATTAAG | TACAGCGGTT | AATAGATAGT | TATGGACTAG | GCACCTTGGC |
| | 18241 | GGTCATTTCC | ACAACCAGGT | TAAAATTGGG | GGATTTGGGA | GAAAATAGTC | TATTGCGTAT |
| 5 | 18301 | TTTCTGTTCA | ATAATTGGAC | TGCGTTATTT | AAAGGTCTGA | TTGGTTGATT | GGGTTATAAA |
| | 18361 | AGGAATTACT | CCTTTAAATT | TTACTTAATG | TACCCACAAT | ATCAAGTGGT | CGTTTGTATT |
| | 18421 | TAACGATTAT | TACCGGTACC | ATGGGAGACT | TGTCATGTTG | GACAAAGGTG | CCGGGTTTTA |
| | 18481 | CGTTAACCGG | CGAACTTCAG | TACTTAAAC | AAGTGGATGA | TATTTTAAGG | TATGGAGTTC |
| | 18541 | GGAAACGCGA | TCGAACAGGA | ATCGGAACGT | TATCTTTATT | TGGAATGCAA | GCTCGATACA |
| 10 | 18601 | ATTTGCGAAA | TGAATTTCTT | CTTTTAACTA | CAAAGCGTGT | TTTTTGGAGG | GCCGTCGTGG |
| | 18661 | AAGAGTTGTT | ATGGTTTATC | CGCGGGTCAA | CCGATTCCAA | AGAACTCGCC | GCTAAAGATA |
| | 18721 | TACACATATG | GGATATATAC | GGATCGAGCA | AATTTCTAAA | TAGGAATGGC | TTCCATAAAA |
| | 18781 | GACACACGGG | GGACCTTGGC | CCCATTACG | GCTTCCAGTG | GAGACATTTT | GGAGCGGAAT |
| | 18841 | ATAAAGACTG | TCAATCAAAAC | TATTTACAGC | AAGGAATCGA | TCAGCTGCAA | ACTGTTATAG |
| 15 | 18901 | ATACAATTAA | AACAAACCCA | GAAAGCCGAC | GAATGATTAT | ATCGTCTTGG | AATCCAAAGG |
| | 18961 | ATATCCCCTT | AATGGTACTA | CCTCCATGTC | ACACGTTATG | TCAGTTTAC | GTTGCAAACG |
| | 19021 | GTGAATTATC | CTGCCAAGTA | TACCAGAGAT | CGGGGGATAT | GGGCCTTGGG | GTACCGTTCA |
| | 19081 | ACATTGCTGG | ATATGCACCT | CTTACCCTACA | TAGTAGCGCA | TGTTACAGGA | CTTAAAAACCG |
| | 19141 | GAGATTTAAT | TCATACAATG | GGGGATGCAC | ATATTTACTT | GAATCATATA | GATGCTTTAA |
| 20 | 19201 | AAGTGCAGCT | AGCTCGATCC | CCAAAACCTT | TTCCTTGCCT | TAAAATTATT | CGAAATGTAA |
| | 19261 | CAGATATAAA | CGACTTTAAA | TGGGACGATT | TTCAGCTTGA | TGGATATAAT | CCACACCCCC |
| | 19321 | CCCTAAAAAT | GGAAATGGCT | CTTTAATGGA | TTTTTAAATG | TTGTCAAGAC | AGTAGATGTG |
| | 19381 | TTGCGAATGT | AATAAAATGA | TATACACAGA | CGCGTTTGGT | TGGTTTCTGT | TTATGAACAG |
| | 19441 | CAACGGATGC | ATAGGGTTGC | GATAACTGCG | ATAAGACCCA | ATGTCCCAAG | GATAGATATC |
| 25 | 19501 | ACACCAATTA | TAAGTCTACT | AACGGAAAAT | GTAGTGGCGT | AGGTAGATGC | ATCGTAGGTA |
| | 19561 | TAAACGGCCG | AAAACGGAGG | GAATTTTTTA | GGGTAACCAT | CTAGATGACA | CGAATAGGTG |
| | 19621 | ATAGGTCCGT | CGAGTTCCGA | TGTTGGACAA | GAACCTTGCA | TGTTTACAAA | CCGTTTGTCTT |
| | 19681 | TGATCACACA | CCCCAGTAAT | CTCACTGTTT | TCGTGGTTAA | TGGGAGAATC | GTAAACCCAC |
| | 19741 | CATACGAAAT | GTACAACGCC | ACGTGGCACA | CATTTTGCCG | TACATACTAT | GTGTCCATCA |
| 30 | 19801 | ATAATACCTA | TAGACACGTT | GGGAAATGGA | TAGACGTCAG | GGGTAACGAC | AGCAGAATAT |
| | 19861 | TTCATATTAG | AGACGCCATC | CCGAATCCAT | AAAACATTAC | ATTGGATGGC | TGGGGGTGGG |
| | 19921 | TAATCCATTT | GTTTTTGCTG | TGGAATTCGT | ACCGCCGAAA | CATAACTAAA | TAATCCATTG |
| | 19981 | GCATATTCTT | GTATTGCATC | GGTTATAAAA | TTTTTTCCGA | TGTTACCAA | CCTTGAAGTC |
| | 20041 | CACCGAACAC | GTACCGAGTG | CGGTGATATA | TACTTTGATA | CGTTACAGTA | CGTGCCTAT |
| 35 | 20101 | GTCTGTCCGG | TTAAGACTGG | ATCGCCGACA | ACGGTAATAT | TTGGACGATA | ATACGTTGTA |
| | 20161 | ACTGTAATAC | TGTGTTCCGA | TATGACGTTT | TTAGTTTTTG | TATTAACGAC | TCGCCAAATA |
| | 20221 | TACGTTCCCT | CCGTGGTAGC | ATCCATAGAT | AAAATTGTTA | CAGAAAAATC | AGACGTTGTT |
| | 20281 | TTAACATCTG | GTATTACATA | ATTTTCCTTA | GCGTGTGTAA | ATATCTCAGG | GTTGTTTATT |
| | 20341 | AAGTTTTAAAT | CGGCACTGTT | GCTATATAAC | ATAACCGGTA | AATCTGGCAT | GCGTATTAAC |
| 40 | 20401 | GCATTGCCCA | GTTGACGGTG | CGGATCTATA | AGGTGACGCG | TAAACCAAAC | TTCAATATGA |
| | 20461 | AGATCGGGGC | GTATAAGCGA | CTTCCACCTT | GTTATATTTG | AACCTTCCGG | ATCTAAAGAA |
| | 20521 | TATTGTTCAT | ATGTTTTTTG | TTGCTGCTTA | AAGGCCGCCT | GTTGTCCGGT | CGTTAGACGC |
| | 20581 | ATGTAACAAG | GCATGATAAA | TGTGTGAAAA | TAGGGTATGG | ATTGTATTCC | CGCGTGAACG |
| | 20641 | CATTGTATAT | TTTCATATAG | AAAAGGTGGT | TGTGAATGTT | GGGTGTTGGC | TGCGGGATCG |
| 45 | 20701 | GGCTTTCGGG | AAGCGGCCGA | GGTGGGCGCG | ACGGCGGGAT | CGGGCTTTTG | GGTAGCGGCC |
| | 20761 | GAGGTGGGCG | CGACGGCGGG | ATCGGGCTTT | CGGGAAGCGG | CCGAGGTGGG | CGCGACGGCG |
| | 20821 | GGATCGGGCT | TTCGGGTAGC | GGCCGAGGTG | GGCGCGACGG | CGGGATCGGG | CTTTCGGGAA |
| | 20881 | GCGGCCGAGG | TGGGCGCGAC | GGCGGGATCG | GGCTTTCGGG | AAGCGGCCGA | GGTGGGCGCG |
| | 20941 | ACGGCGGGAT | CGGGCTTTTCG | GGAAGCGGCC | GAGGTGGGCG | CGACGGCGGG | ATCGGGCTTT |
| 50 | 21001 | CGGGTAGCGG | CCGAGGTATA | TAATTCAGTT | ATACTTACGG | GTGTGGGTTC | AGATTCAGTC |
| | 21061 | GATAATTGTA | TACACGCGAT | CGTTAAAAAT | AAATTTATTT | GTATCCGCTT | CATCCTGGTT |
| | 21121 | TTTATTGACA | CATCCACGCT | CCCCTTAAAT | AAAAGATTAA | AACACCCACC | CGCGAATTTA |
| | 21181 | AATGATGGAA | ACGTTTTTTTT | CGACATTGGG | AATAATAAAA | ACGGCTTTTG | CAACTTTAAA |
| | 21241 | AACTTTATTT | ATCTCGATTA | CGATACATAT | GTACCACATA | GATAGCATAG | ATTTATTATA |
| 55 | 21301 | ATATAAACAC | ACACGTGATA | TACTTTAGTG | ATATGAGATG | CCATAAAACA | GTCAATAGGT |
| | 21361 | TTAACGCTTA | GTCTCATCAT | CTGAATACAC | GTCAAACCCG | CCGCAACTGT | TGATGTTAGA |
| | 21421 | ATTATAATAG | CTCCCCATGA | AATGCCGGCA | AATGTTACAG | CTATACCCGT | CACCGAGGTC |
| | 21481 | GTTGTATATA | ATACAATTAC | CCATAGGTTT | TTTTTTTCTT | GATATAAAAC | GGCAAAACCC |
| | 21541 | TGTAACCCAA | ATGCTATAAT | ATGACCTCCT | ATTGAAACTG | CTAACGTTAC | TTGTGTAAGT |

| | | | | | | | |
|----|-------|------------|-------------|------------|-------------|-------------|-------------|
| | 21601 | TTGATAAAAT | GATTTAATTT | AATTATATGT | GAGATTGCC | ACATTAATGG | GGTAACTATA |
| | 21661 | TATAACACCG | GGGGTATAAC | AGACATTATA | CGAATTCCTT | TAAACACGCG | TTTAAGGGTC |
| | 21721 | CGGGAACCTT | CTCGATGGTC | ACATACTCTC | CCGCGGTCAT | TTTGTGTATA | TACAACGGCA |
| | 21781 | AAACCTAAAT | CTGTATAAGT | GTTTAATTGC | TTATGGCGAT | TTTTACGATA | TATACACGTA |
| 5 | 21841 | TCTTGCAAAT | CGGTGGCGGC | ATCGACAAAT | GAAACTAGTG | TGACAATAGA | TATACACAAT |
| | 21901 | CCAATAAGAA | CCTCATATTT | ACTGACATAC | ATATATAAAA | TAACGGTTAG | TAAACCTCC |
| | 21961 | AACCCAGTTC | CCAACATCAT | AACATAAAAA | TAAATATGCG | GTCCATTGAA | TGTCGTAAAC |
| | 22021 | AAGTTGTAGT | AATGGATATG | CACAGCAGCC | ACTGTTCCGG | TAATCGCGGA | TATGGAAATT |
| | 22081 | CCCAGTAATT | CTACAAATGG | AAGATCCCGG | GATATTGGGC | AACCAACCGC | CCATAACAAC |
| 10 | 22141 | GCAAAACCCA | ACACGACCAC | CGTCTGCAAA | CATCGTCCCA | ATTTTGCTAA | TGTGCGTAGA |
| | 22201 | AATTTACACG | ATGTTGGCCA | TAACCCCGAA | ACGACGATCA | ACCCCATAA | AGTTGCATTG |
| | 22261 | ACGGCAGCTT | CGCAGACGTG | ATATTGTAAA | ATTAACCCGG | ACGTGATAAC | GCTTGCTTGT |
| | 22321 | AGTCCCACGA | GAAACAACCG | CGATGCTGAG | GTTATTGCAC | ACGAATTACA | TTCTTGAGGG |
| | 22381 | TTTCCGACAC | ATCCTTGGAT | TGATTGAGCG | CGGATTAATT | CTCTGTCTAA | CACACCCAGG |
| 15 | 22441 | TTTTCATCAT | GGACAGCTCT | TTCACCATTC | ACGGCCATGT | CTTAAGTTTA | ATAATTCAAA |
| | 22501 | ACAAATAAAA | ATGTGTTTCA | CTATGGTACA | CACAAGTTTG | TATGTAAAA | ATAAGCAAAA |
| | 22561 | GTTGCACTTA | TTTAACTGTA | CATATTACGT | CAGATTCACG | TGATAATTCA | GAATAATCCA |
| | 22621 | GGGTTCTCTG | AGGGTCCACT | GGAGGAGCCA | CACAATATTC | GCGAATTCCG | ATTCCTCTCT |
| | 22681 | GCCATGTGGT | TTCCGGGGAGT | TTCCCCCCCC | TTTTATTTCC | GGTATTTTTT | TCGTTTCTTT |
| 20 | 22741 | TTGTTAATAA | ATTGCGTCTT | TTTTTTAATG | GTGGTTCATC | CTTCACAGAT | TCCATGTTTG |
| | 22801 | CAAATAATTG | CATCGAGGTT | AATTTTTCTT | TAAGGTCTTT | GGGACTTAAG | AACGTTGCAT |
| | 22861 | AAAAAAAAGA | ATGCACGGGT | GCGGAACGTT | GGATATACAA | TCCAACCATG | GGGGAGTTAG |
| | 22921 | TTAAGGCGAG | ATAAAAAATTA | ATATAACACG | TCTCATCCCG | TGTTAACTTA | AGATTTTGTA |
| | 22981 | CGGCAGAACG | GAATCCACTG | TGTGTTTCCA | ATAATACTCC | AAATTCACGC | ATACTCCC GC |
| 25 | 23041 | TGCCATAAAC | AACATTATTA | AGGATCCTTT | TTGAATTTGT | GATTGAGCGT | ATTAATTTAT |
| | 23101 | ATGGGTAGAG | CTTGCTTCCG | TTTATATCCA | AGGAAACATT | AAATGAGATA | AAACCACC CC |
| | 23161 | CGGCGGTCTG | GATGTACATA | TCCGTGGCTG | TTAGAATGAA | GCATGTTGTA | AACCCAAAAG |
| | 23221 | TTTTAAGTAG | TCGCTGTAAA | CGGGTGAATT | GATCGCGTTT | TAAGCAAATG | CTTATATCTG |
| | 23281 | GAGTTAGATT | TGGAAACATC | ATTGTATAAC | AAGCGAGTTC | ACGTTTACAA | ACTTGTGTTG |
| 30 | 23341 | AACATTGTAC | TTGATCATCT | GGACCACAAT | CACCCGGGCG | TTGCCATACC | ATCGTTTGGA |
| | 23401 | TAATACTCCG | CTCGGGGGGT | TGTCGGGTAA | ATTTAAATAA | TAACCGTGTT | GGGGTCGACG |
| | 23461 | GATCTTTTGT | ATGGCGAAAC | GCGTCAATAA | GCGAGGACCG | TCCCTCCGTT | GCCGCGAGTA |
| | 23521 | CAACCATTCT | CGGCCAGTCT | CAATTATACT | GGTCAAACAT | ATTTGCCGGT | ATAGGAATAT |
| | 23581 | ACAGTTGTTT | TGTTTCCAAA | CTACAGTGAA | TAAATTAATCC | TTCGTCGCTG | AATATTAATA |
| 35 | 23641 | TAGAATCCCT | TAGTCTATTA | ACCAGAGGTG | ATATAGACGA | AATTAACCCA | GTAAGCGTTT |
| | 23701 | TTTCCGTAA | AACAGCTCTG | GCGATTTCTG | GGGCGTCAAA | ACCCGCATGC | AATTCATGTT |
| | 23761 | CCAAAGCATC | GTCTGTACGC | GACCTCAAAT | CCATAATTTA | CTACTTAAAA | TGTTTTACTAT |
| | 23821 | AGAAAAAGTA | ATCATATGTA | AACACACGAG | TTTCGTAAAT | ATGTTTGTTT | AACCCGATCC |
| | 23881 | GGTGACTTAA | GTACATAAAC | AGGCATGATA | TTTGAATAGT | ACGGCCCATG | GGAGGGAAAC |
| 40 | 23941 | TTTCCACGTG | TTCCAATACA | GGGGGTGTTT | CTTAATAGGG | ACTGTGCAAT | AAAATACGTA |
| | 24001 | AGAAGTTACC | AGATTTGATG | TAATGTTTGT | CATAAAAAAT | ATGTACATCA | TTATATACGT |
| | 24061 | CTGTAATTAA | CACAAGATCA | CATCGAAGAA | TTACTGAAGC | CGCTGTGAAA | CCTTTACAAA |
| | 24121 | GACGATATAA | ACTTGTTTAA | GTGTATTGAT | GGGGCTCTTT | GGACTGACAC | GCTTTATCCA |
| | 24181 | TGAACATAAA | CTGGTTAAAC | CCAGCATCAT | TTCAACGCCA | CCCGGAGTTT | TAACCCCCGT |
| 45 | 24241 | GGCGGTAGAC | GTATGGAACG | TCATGTACAC | ATTGTTGGAA | CGTTTATACC | CTGTGGGTAA |
| | 24301 | ACGCGAGAAT | TTACACGGAC | CATCTGTAAC | GATACATTGT | CTTGAGTCTT | TATTGCGGCT |
| | 24361 | ATTAACACAA | CGGTCATACT | ATCCGATATT | TGTATTGGAA | CGTTGTACAG | ACGGCCCATT |
| | 24421 | ATCACGTGGA | GCCAAGGCAA | TTATGTCACG | GGCCATGAAC | CACGATGAAA | GGGGAACCTC |
| | 24481 | GGACTTAACC | CGTGTTCCTAC | TATCATCCAA | CACATCATGT | TCTATCAAGT | ATAACAAAAC |
| 50 | 24541 | ATCGGAAACA | TATGACAGTG | TGTTTCGAAA | CTCTTCCACG | AGTTGTATTC | CTAGCGAAGA |
| | 24601 | AAACAAATCC | CAGGATATGT | TTTTGGACGG | TTGTCCACGA | CAAACTGACA | AGACGATCTG |
| | 24661 | CCTGCGCGAC | CAAAACGTAT | GCAGTCTTAC | CTCTACAATG | CCATCCCGAG | GACATCCTAA |
| | 24721 | CCATCGATTA | TATCACAAAT | TGTGTGCAAG | TCTTATTAGA | TGGATGGGGT | ATGCATACGT |
| | 24781 | CGAGGCGGTT | GACATTGAGG | CGGACGAGGC | ATGTGCAAAC | TTATTTTCATA | CGCGTACAGT |
| 55 | 24841 | GGCTTTGGTT | TATACGACAG | ATACTGATTT | ACTCTTCATG | GGCTGTGATA | TTTTGTTAGA |
| | 24901 | TGCAATTCCT | ATGTTTGCTC | CAGTAGTACG | ATGTCGCGAT | TTGCTTCAAT | ATTTAGGAAT |
| | 24961 | TACATACCCT | GAATTTTGGT | TTGCCTTTGT | TCGCTGTCAG | ACCGATTTGC | ATACAAGTGA |
| | 25021 | CAACCTAAAA | TCTGTTTCAGC | AAGTTATTCA | GGATACCGGC | CTGAAAGTTC | CACATCAAAT |
| | 25081 | GGACACTTCA | ACGCGCTCCC | CCACTTACGA | CTCGTGAGGA | CATGGCGAGG | TTTTCAAAAG |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 25141 | TCTTACCGTA | GCCACGTCGG | GTAAAACAGA | AAACGGAGTG | TCCGTTTCCA | AATATGCATC |
| | 25201 | TAACCGATCG | GAGGTGACAG | TAGACGCCAG | TTGGGCTTTA | AACCTTCTGC | CACCCTCATC |
| | 25261 | CTCCCCATTG | GATAATTTGG | AACGCGCATT | TGTTGAACAT | ATAATCGCCG | TGGTAACTCC |
| 5 | 25321 | ATTGACCCGC | GGTCGCCTAA | AGTTAATGAA | ACGTGTAAAT | ATTATGCAAA | ATACGGCAGA |
| | 25381 | CCCATATATG | GTTATTAACA | CCTTATATCA | TAACTTAAAG | GGGGAAAAAA | TGGCTCGCCA |
| | 25441 | ATACGCACGT | ATTTTTAAAC | AGTTTATTC | TACTCCACTC | CCACTAAACA | CTGTATTAAC |
| | 25501 | AAAATATTGG | AATTAAAACA | CACATAAGAG | CGACTTAATG | GTTCAATTGTT | TTATTTTGCT |
| | 25561 | CGTATATACA | TGTTATAAAT | CGTTTATCAC | TGTGCCCCGA | TAAGATGTAC | TGTGTCTCTC |
| 10 | 25621 | AAAAAATTT | GTGTTTTTAT | CTGCAATCAT | AAATGCAAGT | GGAAAGTCCG | AATCGGGAGG |
| | 25681 | TGGGGTGTTA | AATAGTTTTG | GTACATTAAT | CGCTGATAAA | AGCCTGTCCG | CGCTGAATTT |
| | 25741 | CACGTATTGT | GTAATTGCAT | CGACGTTTAC | CAAACGGGTT | TTGGGTGCAT | GGGATTTTAA |
| | 25801 | AAACGCACAC | TCGATTTCAA | CGGCTTCCGA | AAACAGTTGA | TGTATTCTGG | TGATAGCGGG |
| | 25861 | TTTTTCGGGT | ACATAGTTAT | TGTATATACA | ACACGATGCG | CTGGTATGTA | TGGCTTCATC |
| 15 | 25921 | TCGGCTTATA | AGGTCGTTAA | ATTGACAAGT | TACAACAAAT | AGTCCGTTAT | TGCGTAAATA |
| | 25981 | TGCAATAGCC | GCGAACGATG | ATACAAAAAA | AATGCCCTCT | ATAAGAATCA | TTAGTATATA |
| | 26041 | TTTTTCTGCA | ACGGATGGGT | TGTCCTCGTAC | CTTTTCTTCC | AACCATGTGA | CTTTTGTGTT |
| | 26101 | GATCGACGGA | TTATTAATAG | TGACATTTAC | GTATTGTACC | CGCAACGATT | CATCCCCCTC |
| | 26161 | GAACAACATT | AGTTGAATTT | GACTATAGAC | ACGCGCGTGG | ACAACCTCGA | TGCACTCTTG |
| 20 | 26221 | TTCATGTAG | TAATGGTGAA | TATCCTTTTG | GGAAAAGAGT | TGGGTTAGAG | AGCCCAAATT |
| | 26281 | AACATTTACC | AGATCATCTG | CCGCCGATAA | AAATGTAAAA | ATAAATCTGT | AGAATATTAG |
| | 26341 | TTCATCTTCC | GTTAAACAGT | CCAAGTATTG | ATAATCATCT | TCAATGATAA | AATCGCTTTC |
| | 26401 | TAACCAACGA | TTCGAAATGC | TCAGGGCACG | TAAATTGTTT | ATATCTGGAC | ACTCCGGCCT |
| | 26461 | GTAAAAAAA | TGACTGCAAT | CTTTC'TGATC | CATTTTGGAA | TAGTTTCCCG | TGTAAATTTA |
| 25 | 26521 | TAAAGCACAA | CTGGTACAGG | TTAATTCGCG | TCCCAGCAAC | AGTCCGCTGT | TCGTAGCTTT |
| | 26581 | ACGAATTTTA | CAGTAGTACA | TACCCGTTTT | AAGGCCGGCT | TTATAGGCAC | GTATAAGCAA |
| | 26641 | ATTCAATTAT | TTGGAGGCGG | GAATTGTCCC | CTCTGGGCGT | TCCTCAATAA | ATAAAGTCAT |
| | 26701 | TGATTGACTT | TGGTCAATAA | ATGGCGCCCT | TTCTGCACAC | ATATCAACGA | GATCCTCTTG |
| | 26761 | CTCATATTCA | AACGCTGTTT | TATATTTTAA | GAGTGGGTGA | CTATTAGATA | AACAGCCAAA |
| 30 | 26821 | CGAACGTATT | ACTGACCATT | GGTTTTTCTC | AAGTATGTTT | ATAACTFCCA | GTCGTTTTTC |
| | 26881 | TTCACATGAA | TACATATCTC | TTAGTTCGTC | CATAAGGTCT | AAGTTGGGTC | TAAGTAACTC |
| | 26941 | ACCCGAGGTG | GTGACCTTAC | TAAACATATT | ATTATAAAAT | GGAGAGAAAC | CCTCACTGCA |
| | 27001 | CTCCGTTACC | TGTGCAGATG | AAACTGTGGG | CATTAACGCT | AAGAACTGCG | AGTTGTATAA |
| | 27061 | CCCATAAGCG | CAAATATCAT | CTCGCAGGGT | ACACCATGGT | AAATCTAAAT | AACTTATCGT |
| 35 | 27121 | AGAAAACCCA | TCTTGGTGTA | ACCATCCCTT | AGCATATTTA | CTTTCGGTAA | AACCCTTAAA |
| | 27181 | CGGGGCTAAG | CCGCCAATCT | TACACATTTT | CATGCTTGTT | TTCAATGTCT | CATACAACAT |
| | 27241 | TAACTCCGCT | ATTTGTACAT | TTAACCCTCT | AGCTGGTTGG | GAAGTTAAAT | CAAATCCTAA |
| | 27301 | GCGGAGACAA | GTTGTATGTA | ACCC'TTGTAT | GCCAATGCCA | AGTGATCGGT | TGTTTTTTTAC |
| | 27361 | ACCTTTTACAT | GATTTTTTAC | ATGGAAAGTT | CCCAGCCGCC | AGGACCCCGT | TTAAAAAAAT |
| 40 | 27421 | AACAGTCGTT | CTTGCTGTCA | ATTGAAGGTC | GTTTAAATTA | AATGACACTG | GGCCTTTGGA |
| | 27481 | TAAGCACGTT | GTAAGATTTA | TGCTGGCAAG | ATTACATACG | CCATGTTGAT | GAGCGTCTGC |
| | 27541 | CTTTTGAACA | ATTTCCGTAC | ACAAATTTGA | CCCCGTGATA | GCATTTCCCT | GGGTATTCAT |
| | 27601 | ATGATAATTA | CGATTACAGG | CATCTTTGAA | CATTAATAAG | GGGCTTCCTG | TTACAGCAGC |
| | 27661 | ACTGCGTATG | ATTGTGAATG | CGATATCTTG | AATGGGAACA | GAAGAAACGC | CTAATCCTTC |
| 45 | 27721 | TCTCTCTAAA | CGTAAATAGG | TTGAAGTGAA | TGCCCTCCCC | TGTAATGTTT | GAAGGATATC |
| | 27781 | GGCTCTGTTA | TCAAAAAGAG | TCCACTGAAC | ATTACTAGCC | CCTTTTAGAT | AGCTTAGGTA |
| | 27841 | TCTTTCAAAA | AATAAATCTG | GGGTCCATAA | ACAACAAAAT | ATGTTATCAC | ATCGAAATAT |
| | 27901 | TTCATCACGA | ACCAACATTC | CACGTGTGGC | CAAAACAGTT | TGTAGATCGA | CGTGCCATGG |
| | 27961 | TTCTATGTAA | ACACAAACTC | CAGTTGGTCC | TTCACAATCA | CTGTTAATTG | CCATAACCAT |
| 50 | 28021 | GCAATCTAAA | AGTTTTTAAAA | CTGCAAGAAG | ACCTTTTCGTT | TGATTTTCCG | TAGGTATTAA |
| | 28081 | ATTCAGACTC | TGTAGAGAAA | TTCCCAC'TCC | ACCTCGACTT | TGTAATACCG | TTCCCACATC |
| | 28141 | GCCTGTGATA | GCTCGAACAG | CTCTCCCAAC | AGTGATGGAT | TCCGGGTCCA | TTAAATAACA |
| | 28201 | ACTGGCCGTT | GCCCCGGTCT | CTCGACCTAA | AAACATCATA | ACCGGTGTAG | CCGGGACAAT |
| | 28261 | TTTCTGACAT | GCCAACGCTG | TGAAAAATAC | CCGACAGACA | TCAGTCCATG | TATAACCATC |
| | 28321 | ATTTATTCCG | GGAATAAGAG | TTGCGATTTT | AGGCAGGTTT | ACGATTTCTG | TTGTCACGGT |
| 55 | 28381 | GGCCGCCAGT | CTTAAAAAGA | ATTGGCAAAG | CGACTCTAAT | TTACCTTCCT | CTAACTTAGT |
| | 28441 | TAAATAAAAG | TCTTCGTACT | TTAAAGCAGA | CTGTAGTCCA | AGGGTAGCTA | AAGCGGGGTA |
| | 28501 | TTGATCTTTC | AAAAACGGTT | CTAATATAGC | CCGACGAATT | TCGTCCCTCC | GCCCTTCAAT |
| | 28561 | TGCTTGGCGG | ACTCGGGGAG | TTAAACAGAG | AATTGGGGAA | GTCAACCACG | TTTCCATGGA |
| | 28621 | AACGGATCGT | AGGTTAATAC | GGCAATGGAT | AAGTTCTCCA | CAACATCGGT | ACACTCGCTC |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 28681 | ATCTTGTGCGC | GTCACCGCCT | TAAGTTTTTGA | GACGATAGTG | CTAATATACT | CCATTAATTC |
| | 28741 | CACCGGTGTG | GTTGATTCGG | GCGGAATGAT | GTATTCCTTG | TAGCCATGTT | GACATAATCG |
| | 28801 | GTTTATAATG | TCATGAACCG | TATTAATAAT | TCTTTTGAAC | TCCATAACGG | ATAACGTATT |
| 5 | 28861 | TAGGCTCCGG | AATAAACCTT | TAAACCCTAA | ACTCACAGCT | GAGTTAGTTC | TACAATATTG |
| | 28921 | TAGACTCCCT | TATATATGGT | TACGTACAGC | CTGCCCCCTC | CCAGTATATA | ATATCACGCA |
| | 28981 | AAACCCACGC | TATGTTAAAT | TCAGTTTATT | TTACATACAT | GCTTTAATAA | TAACATTTCG |
| | 29041 | TCCATGTATT | TGTACCCCCC | CACACAACCC | CCTCTAACCA | AAAGTTGGC | ACGTTATAAC |
| | 29101 | CTCCGAACCG | TTCCATGCGT | CTTGTATAAC | GCACAGACTC | TGATGGAATT | GTTCCAATTA |
| | 29161 | ACGTATATGC | CGCATACATG | CAGGATAATT | GTGTGGGAAG | TCCCCGAAAA | TCGCCGGTCC |
| 10 | 29221 | ATTGATACAA | TCGCTGTCTA | GCCAAGTTCC | AATTTACTCC | TGTAATTTTCG | CCAATACTAC |
| | 29281 | ATCGAGGGCT | TGTCGGGTCA | TTGGATAACT | GCACAAGCGG | CAACGCCCTT | GTGTTATATG |
| | 29341 | GCTGGTGGGT | ATTTGCAACC | CCTTCAGTCC | CCCAGGCGGC | ATTTTCAGCT | CGTATGCGTC |
| | 29401 | CTAACAGGAA | GCCAATACCA | CGACAAAAC | ATTGTTTCGTT | TAGTTGGCTT | AATGCAAGAT |
| | 29461 | GCAGTCTTAC | ACCTTCTCGT | TGGCGTTCGT | GTGTATATAC | AAAAACCAAG | AACACATGCT |
| 15 | 29521 | TCAGTCCGTC | CGCGGAAAGA | TGTAATCTT | TGTCAACGTC | CCAAAATACG | CAGGCCGGGA |
| | 29581 | TGTTGGCTGT | GACCTGCGA | GTTGAAGTTT | TGCTGTACG | TGCAGCTTCT | TGGGGACCTT |
| | 29641 | TGGCCACGGC | GGTTATATATG | CATAAATTAT | CTGAATGGT | ATATTCCAGC | AGGGACCCAA |
| | 29701 | AAAACTTAT | AAATCGATGT | GGAAATACAT | GACATTGTAC | CATCGCACGT | AAACACTCCG |
| | 29761 | AAAACCTTAT | GAGCCGCGTT | TCCATACGAC | TGCATCCATA | GGCAGAAACA | ATTGCTGTTC |
| 20 | 29821 | TGTTGGCATC | CGCTGCCTGT | TTATCCGTAT | ATTCTTCTGC | CCGGCATGCG | GCGATGAAAC |
| | 29881 | TTAATGACGT | TACATATGCT | CTAAGCCCCC | CACCTTCTCC | AACGGTCCAA | GGAGCCGTGC |
| | 29941 | AGGCATTGAA | TAGGTTTCGT | AAACCTCTA | GTAGTACATC | GGGGTCACGT | CCAGCCTGTG |
| | 30001 | TAAGTGTATT | AGCTTCTCCA | ATCATGTCAG | ATGGATGACG | AAGGATTAAG | ACGATTGACC |
| | 30061 | CAGCATGCTC | AATGTCCGGA | CGAAAAAAT | CGGTTAATGA | CACCTGTTTG | ATTAGCTGTG |
| 25 | 30121 | TCGTTGATTT | AAAATTATTT | AACGGGAGTC | TAATGGTAAC | TTCGCGGTTA | CCAATTGAAG |
| | 30181 | TTGGATTTAT | TTGAATGTTG | TTCATACGAT | TAATAACAAT | TGAACGGGGG | TTACTTGAA |
| | 30241 | TAGACGCGGT | TTCTGTACGT | TTTGGTGGTA | CATGTATCGG | TTGTTTGTTC | AGACCTCCAA |
| | 30301 | AGCGAGGGCC | AATTGTTAAA | TCGCGACTCC | AATTTCCGAA | GAAGCCCGGA | GCATAAGTCA |
| | 30361 | TATGAAGCCC | GTTCCCTATT | TGAATAAAAC | GGTTATTTCC | TAAAAGACTG | ATATTAGTTC |
| 30 | 30421 | CACATAGCGT | TTGTTTCGTTT | AAAGTAAAT | GCGAGTTGGT | TGGTTGACTC | CCCATAGCTG |
| | 30481 | AGGGGTTAAA | TTACACAAAT | GCAATCGTGA | CGTGGTACTA | TCTGAAATGT | TGCCCTGGGGT |
| | 30541 | ATGTGTACAC | ATTATACAGT | CGTAGTACCG | TTTATATAAT | GTTAGGTAGG | AGGAGCCTAT |
| | 30601 | AAAAATATTT | TGATTGGCGT | TAAAAGGTTT | TTCAACTTAC | CGTGACGTCC | TTTTTTATTAA |
| | 30661 | CATGCGTTTT | TATTGATGTT | ACATTTATGT | CTTTTCATTG | CGGACGGATG | TATCTTTTTT |
| 35 | 30721 | ATATCACGTT | ATAAAGTTAA | GTCAGCGTAG | AATATAACCAT | GGAAAGAACCA | ATTTGTTATG |
| | 30781 | ATACACAAAA | ACTTTTGGAT | GATTTAAGTA | ACTTGAAAGT | ACAAGAAGCG | GACAACGAAA |
| | 30841 | GACCATGGTC | ACCAGAGAAA | ACAGAAATCG | CCAGAGTTAA | GGTAGTTAAG | TTTTTACGAT |
| | 30901 | CTACCCAGAA | AATTCCAGCT | AAACATTTTAA | TTCAGATATG | GGAACCCCTG | CATTCTAATA |
| | 30961 | TCTGTTTTGT | ATATTCCAAT | ACATTTTTTGG | CGGAGGCTGC | TTTCACGGCC | GAAAATTTAC |
| 40 | 31021 | CCGGACTGTT | GTTTTTGGAGA | CTAGATCTAG | ACTGGACGAT | AGAGGAGCCA | GGTAATAGCT |
| | 31081 | TAAAAATTTT | AACCCAGCTA | TCAAGTGTAG | TACAAGATTG | CGAGACGTTA | CATCGTTTAT |
| | 31141 | CGGCCAATAA | ATTACGAACC | TCGTCTAAAT | TTGGACCCGT | TTGCATACAC | TTTATTATAA |
| | 31201 | CGGACTGGAT | AAATATGTAC | GAGGTCGCCCT | TAAAGGATGC | AACAACGACC | ATTGAATCAC |
| | 31261 | CATTCACTCA | CGCTCGTATT | GGAATGTTGG | AAAGCGCCAT | TGCAGCTTTA | ACACAACATA |
| 45 | 31321 | AATTTGCGAT | CATTTACGAT | ATGCCATTTG | TTCAAGAGGG | GATTCGTGTT | TTAACACAAT |
| | 31381 | ATGCAGGATG | GCTTCTTCCG | TTTAATGTTA | TGTGGAATCA | GATTCAAAAT | AGCTCACTCA |
| | 31441 | CTCCTCTAAC | ACGAGCCCTT | TTTATAATCT | GTATGATTGA | TGAATATCTC | ACGGAACGCG |
| | 31501 | CAGTACATAG | CATATCAGAA | TTATTTGCAG | ATACTGTAAA | TTTAATTAAA | GATGAGGCGT |
| | 31561 | TCGTATCCAT | CGAAGAAGCG | GTAACGAATC | CACGAACGGT | GCACGAGTCA | CGAATTTCTT |
| 50 | 31621 | CAGCTCTGGC | TTATCGAGAC | CCTTATGTTT | TTGAGACATC | CCCGGGAATG | CTTGCTAGGA |
| | 31681 | GACTTAGATT | AGACAATGGT | ATATGGGAAA | GCAACCTCTT | ATCGTTGTCC | ACCCCGGAA |
| | 31741 | TTCATATTGA | GGCGCTGTTA | CATTTACTAA | ACTCCGACCC | GGAAGCGGAA | ACCACATCTG |
| | 31801 | GAAGTAATGT | AGCAGAACAC | ACCCGTGGCA | TTTGGGAAAA | GGTTCAGGCT | AGTACATCGC |
| | 31861 | CTAGTATGTT | AATAAGCACC | CTTGCCGAAT | CCGGGTTTAC | AAGATTTTCA | TGCAAATTGC |
| 55 | 31921 | TACGTCGGTT | TATTGCTCAC | CACACACTCG | CCGGTTTTAT | TCACGGAAGC | GTTGTAGCAG |
| | 31981 | ACGAGCATAT | TACAGATTTT | CAACAAACAC | TAGGATGTCT | CGCTTTAGTG | GGTGGACTGG |
| | 32041 | CATACCAATT | AGTGGAACCG | TACGCTCCTA | CTACCGAGTA | TGTGTTAACA | TATACACGGA |
| | 32101 | CAGTAAACGA | GACCGAAAAA | CGGTATGAAA | CGCTATTACC | CGCCTTAGGA | TTACCACCGG |
| | 32161 | GAGGCCGTGGG | ACAAATTATG | CGGCGCTGTT | TTGCTCCACG | ACCCCTTATT | GAAAGTATAC |

| | | | | | | | |
|----|-------|-------------|-------------|------------|-------------|------------|----------------|
| | 32221 | AAGCGACACG | CGTAATACTA | CTTAATGAAA | TTTCACATGC | AGAAGCTAGA | GAGACAACAT |
| | 32281 | ATTTTAAGCA | AACACATAAT | CAATCCTCAG | GTGCGTTATT | ACCACAAACA | GGACAAAGTG |
| | 32341 | CCGTACGCGA | AGCCGTACTA | ACCTGGTTTG | ACCTACGTAT | GGATTCAAGA | TGGGGTATTA |
| 5 | 32401 | CTCCCCCGGT | GGATGTGGGT | ATGACACCTC | CTATTTGTGT | TGATCCAACG | GCTACAGGGT |
| | 32461 | TGGAAGCTGT | CATGATAACA | GAAGCACTAA | AGATTGCATA | TCCTACCAGA | TATAATCGCT |
| | 32521 | CTAGCGTGTT | TGTGGAACCG | TCGTTTGTGC | CTTATATTAT | TGCAACAAGC | ACGCTTGATG |
| | 32581 | CCGTTTCGGC | AACAATAGCT | TTGTCTTTTG | ATACACGGGG | AATACAGCAA | GCCTTGTCTA |
| | 32641 | TTCTTCAGTG | GGCTCGCGAT | TATGGATCCG | GAACCGTGCC | CAATGCAAGT | GGATATCGCA |
| 10 | 32701 | CAAAACTATC | TGCTCTTATA | ACAATATTAG | AACCTTTTAC | CCGTACAAC | CCCCAGTAC |
| | 32761 | TTTTACCATC | TCACGTTTCT | ACTATAGATT | CCCTTATATG | CGAACTTAT | CGGACTGTTG |
| | 32821 | GCATTGCCGT | TGACCTGCTT | CCCCAGCACG | TCCGTCCTTT | GGTTCCTGAC | CGTCCTTCTA |
| | 32881 | TTACAAATAG | CGTTTTTTTTA | GCAACTCTCT | ATTATGATGA | ACTTTACGGT | CGTTGGACCC |
| | 32941 | GACTGGATAA | AACATCGCAG | GCGTTGGTTG | AAAAATTTTAC | ATCCAACGCG | TTAGTGGTTT |
| 15 | 33001 | CTCGGTACAT | GTTAATGTTA | CAAAAATTTT | TTGCGTGTCTG | TTTTTATCCA | ACGCCAGATC |
| | 33061 | TTCAGGCTGT | TGGTATCTGT | AACCCAAAGG | TTGAACGCGA | TGAACAAATT | GGGGTATGGC |
| | 33121 | GTTTAAACGA | TCTTGCTGAT | GCGGTTGGTC | ATATTGTTGG | GACAATACAA | GGAAATCCGAA |
| | 33181 | CGCAAATGAG | AGTGGGAATA | TCCAGCCTGC | GCACAATTAT | GGCCGATGCT | TCCTCAGCCC |
| | 33241 | TTAGGGAATG | TGAAAATTTA | ATGACTAAAA | CCTCCACTTC | TGCTATTGGG | CCTCTTTTTT |
| 20 | 33301 | CAACGATGGC | TTCCCGGTAT | GCACGGTTTA | CACAGGATCA | AATGGACATT | TTAATGCGTG |
| | 33361 | TTGACAAACT | AACAACAGGA | GAAAATATAC | CCGGTCTTGC | AAATGTAAG | ATTTTTTTAA |
| | 33421 | ATAGGTGGGA | ACGAATAGCA | ACAGCTTGTA | GGCATGCCAC | GGCAGTC | CCGTCGGCCGAAT |
| | 33481 | CTATTGCAAC | CGTGTGTAAT | GAATTGAGGC | GCGGTTTAAA | AAATATACAA | GAGGATCGTG |
| | 33541 | TAAATGCCCC | AACCTCATAT | ATGAGTCACG | CCCGAAATCT | GGAAGATCAC | AAGGCAGCAG |
| 25 | 33601 | TTTCATTCTG | TATGGACTCC | AGGCAACAGT | TTATTGTGGA | TTCTGGA | CCTGATGGCG |
| | 33661 | CGGTTTTAAC | TTCACAATGT | AATATAGGAA | CATGGGAGAA | TGTAAATGCA | ACGATTTTAC |
| | 33721 | ATGATAATGT | TAAAATAACG | ACAACGGTCA | GAGACGTAAT | TTCAGAGGCT | CCGACGCTGA |
| | 33781 | TAATAGGACA | AAGATGGCTT | CGTCCAGATG | AGATTTTATC | TAATGTAAGT | TTGCGTCTTG |
| | 33841 | GCGTACCCGG | GAATACAAGT | GGGAGTGACC | CTTAATATAA | AACAGGC | GTGTTTATGTACA |
| 30 | 33901 | TTAAAGTATT | TGTGGTTTTT | ATTGACTGGG | CGTTTCGTTT | GTATAACGCT | GTTGTTGCTA |
| | 33961 | GTATTTTCAT | AACCTCCTAG | GTTTTTGGAG | CTACACGTGC | TTATTCAACG | CTCTTTGGGA |
| | 34021 | TTTGAATCAT | CGTAAACGTA | GCGTCCCTAC | CAGTTGAGCG | CGTAATT | TTCGTAAGCAATA |
| | 34081 | AAATGGATAT | AATTCGCCT | ATAGCTGTCA | CTGTTGCGGG | AGTGGGAAGC | CGTAATCAAT |
| | 34141 | TTGACGGTGC | CCTGGGACCG | GCGTCAGGTC | TGTCATGTTT | AAGAACA | TCTTTATCGTTT |
| 35 | 34201 | TGCATATGAC | ATATGCGCAT | GGAATTAATG | CAACCCGTGC | ATCAGACATG | ATTGATGGAT |
| | 34261 | GTTTACAAGA | GGGTGCAGCA | TGGACTACGG | ATCTGTCTAA | TATGGGGAGG | GGTGTCCAG |
| | 34321 | ATATGTGTGC | TCTTGTTGAT | CTCCCCAATC | GAATTTTATA | TATTAAAC | CTGTTGGGACACTA |
| | 34381 | CCAGTACGTG | CTGCGTTTTG | TCTAGAATAT | ACGGCGATAG | CCATTTT | TTTACCGTTCCAG |
| | 34441 | ACGAGGGTTT | TATGTGCACA | CAAATTCCTG | CTAGAGCGTT | TTTCGATGAT | GTGTGGATGG |
| 40 | 34501 | GACGTGAAGA | GTCGTATACA | ATTATAACTG | TAGACTCAAC | GGGAATG | GCCATCTATCGTC |
| | 34561 | AGGGAAACAT | ATCTTTTATT | TTTGATCCAC | ATGGCCATGG | GACTATA | GGAACAGGCTGTAG |
| | 34621 | TTGTTTCGGT | GAATACCACG | GATGTGTACT | CTTATATCGC | ATCGGAGTAT | ACCCACCGCC |
| | 34681 | CCGATAACGT | AGAATCCCAA | TGGGCCGCTG | CATTAGTTTT | TTTTGTCACC | GCAAACGACG |
| | 34741 | GTCCCCTAAG | CGAAGAAGCG | CTATCTTCGG | CAGTAACGCT | TATATAAC | GGAAGCTGTGATA |
| 45 | 34801 | CATATTTTAC | AGATGAACAA | TATTGCGAAA | AACTGGTTAC | AGCTCAACAT | CCGTTGCTTC |
| | 34861 | TTTCACCTCC | TAATTCCACG | ACAATTGTGC | TTAATAAATC | GTCTATA | GTAACCTCTCACC |
| | 34921 | AAAACGTTGG | TGAAAGTGTA | TCCTTGGAAG | CAACCCCTACA | TTCAACGTTA | ACCAACACGG |
| | 34981 | TTGCACTGGA | CCCTAGATGT | AGTTACAGCG | AGGTTGATCC | TTGGCATGCG | GTTCTAGAAA |
| 50 | 35041 | CAACCTCGAC | TGGGTCTGGC | GTTTTTGATT | GTCGTCGTAG | ACGCCGT | CCTTCATGGACTC |
| | 35101 | CTCCTTCAAG | CGAGGAAAAAT | TTAGCTTGTA | TCGACGATGG | CTTGGAATAA | AATACACATT |
| | 35161 | CCACGGATAA | TTTACATAAA | CCCGCTAAAA | AGGTTCTCAA | ATTTAAACCA | ACTGTAGACG |
| | 35221 | TGCCGGATAA | AACACAAGTG | GCACATGTAT | TACCCCGCCT | ACGAGAA | GTTACTAACACCC |
| | 35281 | CAGACGTTGT | GTTAAATGTA | TCCAATGTAG | ATACGCCTGA | ATCCAGT | CCCCTTTTTCAC |
| | 35341 | GGAACATGAA | TGTAGGAAGC | AGTTTGAAAG | ATCGGAAGCC | ATTTCTATTT | GAACAGAGTG |
| 55 | 35401 | GTGATGTCAA | CATGGTTGTC | GAAAACTAC | TACAACATGG | GCATGAAATT | AGCAATGGAT |
| | 35461 | ACGTACAAAA | TGCGGTGGGT | ACGTTGGATA | CTGTTATTAC | CGGTCATACA | AATGTTCCCA |
| | 35521 | TTTGGGTAAAC | AAGGCCCTTG | GTTATGCCAG | ACGAAAAGGA | TCCATTGAG | CTTTTTTATTA |
| | 35581 | ACCTCACCAT | TTTGCGTTTA | ACGGGATTTG | TGGTGGAAAA | TGGAACA | CGTACACATCATG |
| | 35641 | GTGCTACAAG | CGTTGTATCA | GACTTTATAG | GTCCCTTGG | GGAAATT | TTACAGGATTTT |
| | 35701 | CCTCCGCCGC | GGAACCTTATA | CGCGTTACAA | GTTTGATATT | AACAAACATG | CCGGGGGCGG |

| | | | | | | | |
|----|-------|-------------|-------------|------------|-------------|-------------|-------------|
| | 35761 | AATATGCTAT | TAAAACTGTT | CTCCGGAAAA | AATGTACAAT | TGGCATGCTC | ATTATCGCTA |
| | 35821 | AGTTTGGTCT | AGTTGCCATG | CGGGTTCAGG | ATACAACCGG | CGCTTTACAT | GCCGAAGTAG |
| | 35881 | ATGTGTTAGA | AGCGGATCTA | GGAGGTTCGT | CGCCCATAGA | CCTCTATTCT | AGACTGTCGA |
| 5 | 35941 | CAGGTCTTAT | AAGTATACTA | AATTCGCCTA | TTATTTCTCA | TCCCGGACTT | TTTGCCGAGC |
| | 36001 | TTAT'TCCAAC | CCGTACAGGG | TCCCTGTCTG | AACGAATACG | TCTTCTTTGT | GAATTAGTCT |
| | 36061 | CGGCCCGGGA | GACACGCTAT | ATGCGTGAAC | ACACCGCGCT | TGTTTCTAGT | GTAAAGGCTT |
| | 36121 | TAGAGAATGC | ATTACGGTCT | ACCCGCAATA | AAATTGATGC | CATTCAAATA | CCAGAAGTTC |
| | 36181 | CCCGGAACCC | CCCGGAAGAA | ACCGACATTC | CACCCGAAGA | GTTAATTCGG | CGTGTATATG |
| 10 | 36241 | AGATACGATC | CGAAGTTACA | ATGCTATTGA | CCTCGGCTGT | TACAGAATAC | TTCACCCGCG |
| | 36301 | GAGTGTTATA | TAGCACACGG | GCCTTGATCG | CTGAACAATC | CCCTAGGCGT | TTTCGGGTCTG |
| | 36361 | CGACCGCAAG | TACGGCACCC | ATTCAACGGC | TTTTAGATTTC | TCTTCCGGAA | TTGCACGCTA |
| | 36421 | AATTAACGGC | AATCATATCG | TCCCTGTCTA | TACACCCTCC | TCCTGAGACT | ATACAAAATC |
| | 36481 | TCCCCGTCTG | ATCTCTGTTA | AAAGAGCTTA | TTAAAGAAGG | GGAAGATTTA | AACACAGACA |
| 15 | 36541 | CGGCTCTCGT | ATCGTGGTTA | TCTGTAGTCG | GGGAAGCTCA | AACCGCAGGT | TACTTATCCA |
| | 36601 | GACGAGAGTT | CGATGAATTA | TCACGTACAA | TTAAAACCAT | TAATACACGC | GCAACGCAAC |
| | 36661 | GGGCTTCCGC | GGAAGCAGAG | TTGTCTTGCT | TTAATACGCT | AAGCGCGGCC | GTAGACCAAG |
| | 36721 | CCGTAAAGGA | CTATGAAACA | TATAACAATG | GTGAGGTCAA | GTATCCTGAA | ATAACACGGG |
| | 36781 | ATGATTTATT | AGCAACAATT | GTACGTGCTA | CAGACGATTT | GGTGCGACAG | ATAAAAATTT |
| 20 | 36841 | TAAGTGATCC | AATGATCCAA | TCCGGTTTAC | AACCTTCGAT | TAAAAGACGA | TTGGAACAA |
| | 36901 | GGCTTAAAGA | GGTTCAGACG | TATGCAAACG | AGGCCCGAAC | CACACAGGAC | ACAATAAAGA |
| | 36961 | GTGAAAACA | GGCGGCATAT | AATAAACTCG | GGGGGTACT | TCGCCCGGTA | ACCGGTTTTG |
| | 37021 | TGGGACTTAG | GGCTGCAGTA | GATTTATTAC | CGGAACCTGC | TTCTGAGTTA | GATGTCCAAG |
| | 37081 | GAGCCCTGGT | AAATCTCAGG | ACCAAAGTCT | TAGAGGCGCC | GGTAGAGATC | CGTTCACAAC |
| 25 | 37141 | TTACGGGTGA | TTTCTGGGCG | TTATTTAACC | AATATCGAGA | CATTTTAGAA | CATCCCGGAA |
| | 37201 | ACGCACGCAC | ATCTGTCTTA | GGAGGACTGG | GAGCTTGTTT | TACAGCTATT | ATCGAAATTG |
| | 37261 | TGCCGATACC | TACGGAGTAT | AGACCATCAT | TGCTTGCGTT | TTTGTGTGAC | GTGGCAGATG |
| | 37321 | TGCTTGATC | CGACATCGCG | ACCGTATCTA | CTAACCCGGA | AAGTGAGTCC | GCCATAAACG |
| | 37381 | CTGTTGTTGC | AACTCTTAGT | AAAGCGACGT | TAGTTTCATC | TACAGTGCCA | GCCTTATCCT |
| 30 | 37441 | TTGTGTTGTC | GTTATATAAA | AAATATCAGG | CTTTACAACA | AGAAATTACG | AATACCCATA |
| | 37501 | AGTTGACTGA | ATTACAAAAA | CAACTTGAGG | ATGACTTCTC | CACCCTAGCT | GTCTCATCTG |
| | 37561 | GACACTTGAA | GTTTATATCA | TCTTCAAATG | TAGATGATTA | TGAAATAAAC | GATGCGATAT |
| | 37621 | TATCAATACA | AACAAATGTG | CACGCCCTAA | TGGATACGGT | TAAACTTGTT | GAAGTTGAAC |
| | 37681 | TGCAAAAGCT | ACCCCCCAT | TGTATTGCTG | GGACATCTAC | CTTATCTCGA | GTAGTAAAGG |
| 35 | 37741 | ATCTTACATA | ACTCGTCACA | ATGGCACATG | AGAAGAAGGA | ACAGGC AAAA | GTGTTAATTA |
| | 37801 | CCGATTGTGA | ACGTGCACAT | AAACAACAAA | CGACTCGGGT | TTTGTATGAG | CGTTGGACAC |
| | 37861 | GTGATATTAT | AGCATGTCTG | GAGGCAATGG | AAACGCGCCA | TATATTTAAC | GGGACAGAAC |
| | 37921 | TGGCACGGTT | GCGAGATATG | GCCGCTGCGG | GAGGGTTTGA | TATACACGCA | GTTTACCCAC |
| | 37981 | AAGCACGTCA | GGTTGTAGCG | GCATGTGAAA | CTACAGCCGT | TACGGCATT | GATACTGTGT |
| 40 | 38041 | TTCGCCACAA | TCCATATACC | CCCGAAAATA | CAAATATTCC | ACCACCTTTG | GCTTTGTTAA |
| | 38101 | GAGGGTTAAC | ATGGTTTGAT | GATTTTTCGA | TTACGGCTCC | CGTATTCACC | GTTATGTTTC |
| | 38161 | CAGGTGTTAG | TATTGAGGGA | CTCCTTCTGC | TTATGCGTAT | TCGCGCGGTT | GTGTTATTAT |
| | 38221 | CCGCCGATAC | GTCTATTAAT | GGAATACCTA | ACTACCGAGA | TATGATATTA | CGAACCTCGG |
| | 38281 | GGGATCTATT | ACAAATACCC | GCATTGGCTG | GGTATGTTGA | TTTTTACACA | CGGTCTTATG |
| 45 | 38341 | ATCAGTTTAT | AACCGAAAAGT | GTAACGTTAA | GTGAACCTAG | AGCAGACATC | AGACAGGCTG |
| | 38401 | CCGGGGCTAA | ACTTACAGAA | GCAAATAAGG | CTTTGGAGGA | AGTAACCTCAT | GTTCGGGCAC |
| | 38461 | ACGAAACGGC | TAAACTTGCA | CTTAAAGAAG | GTGTCTTCAT | TACATTACCA | AGCGAAGGTT |
| | 38521 | TATTGATTTCG | GGCTATAGAG | TATTTTACAA | CTTTCGATCA | TAAACGATTT | ATAGGAACGG |
| | 38581 | CATATGAAAG | AGTTTTTACAA | ACAATGGTAG | ACCGCGATCT | AAAGGAGGCC | AACGCAGAGC |
| 50 | 38641 | TTGCACAGTT | TCGTATGGTG | TGTCAGGCAA | CAAAGAACCG | TGCAATACAA | ATTTTACAAA |
| | 38701 | ACATTGTTGA | TACGGCCAAT | GCCACTGAGC | AACAAGAAGA | CGTGGATTTT | ACTAACCTGA |
| | 38761 | AGACGTTATT | AAAACCTAAC | CCCCCTCCCA | AAACAATTGC | ATTGGCCATT | GATAGATCTA |
| | 38821 | CTTCCGTTCA | GGACATTGTC | ACGCAGTTTG | CATTGCTGTT | AGGGCGTCTG | AGGAAGAAA |
| | 38881 | CTGGTACGTT | GGACATTTCAG | GCGGTTGACT | GGATGTACCA | AGCTCGCAAT | ATTATTGACT |
| | 38941 | CCCATCCACT | AAGTGTGCGT | ATAGACGGTA | CCGGCCCCCT | GCATACTTAT | AAAGATAGGG |
| 55 | 39001 | TGGATAAACT | TTATGCGTTA | CGAACTAAAT | TAGATCTCCT | ACGACGACGA | ATAGAAACCG |
| | 39061 | GTGAGGTTAC | GTGGGACGAT | GCATGGACAA | CATTTAAAAG | AGAAACGGGG | GATATGTTGG |
| | 39121 | CATCGGGGGA | CACGTACGCT | ACTTCCGTAG | ATAGTATAAA | GGCACTCCAG | GCATCGGCGT |
| | 39181 | CTGTGGTTGA | CATGCTTTGT | TCCGAACCCG | AATTTTTTTT | ATTGCCCTGTG | GAAACGAAAA |
| | 39241 | ACCGTCTCCA | AAAAAAGCAA | CAGGAACGTA | AAACGGCGTT | GGATGTTGTG | TTGCAAAAAC |

| | | | | | | | |
|----|-------|-------------|------------|------------|-------------|-------------|------------|
| | 39301 | AAAGACAGTT | TGAAGAGACC | GCGTCTCGCT | TACGAGCTTT | AATTGAACGT | ATTCCAACGG |
| | 39361 | AGAGTGACCA | TGACGTTCTT | CGTATGTTAT | TACGTGATTT | CGATCAATTT | ACACATTTGC |
| | 39421 | CTATATGGAT | AAAAACACAG | TATATGACAT | TTCGAAATTT | ACTCATGGTA | CGGTTAGGCT |
| | 39481 | TGTATGCAAG | TTATGCTGAG | ATTTTTCAC | CCGCGTCTCC | AAACGGAGTA | TTTGCTCCTA |
| 5 | 39541 | TTCCCGCCAT | GTCGGGTGTA | TGTCTAGAAG | ACCAATCCCG | ATGCATTCCG | GCGCGGGTGG |
| | 39601 | CCGCGTTTAT | GGGGGAGGCG | TCTGTGGTGC | AAACGTTTAG | GGAAGCCAGA | TCTTCTATAG |
| | 39661 | ACGCTTTGTT | TGGAAAAAAT | TTAACCTTTT | ACTTGGATAC | TGATGGGGTT | CCACTTCGAT |
| | 39721 | ATAGAGTGTG | TTATAAATCA | GTTGGGGTTA | AACCTTGAAC | CATGCTATGC | AGTCAGGGTG |
| | 39781 | GATTATCTTT | ACGACCGGCA | CTTCCCGATG | AAGGTATTGT | GGAAGAAACT | ACACTATCGG |
| 10 | 39841 | CATTACGCGT | GGCCAATGAG | GTCAATGAGC | TACGCATTGA | ATACGAATCC | GCTATAAAAT |
| | 39901 | CCGGGTTTTT | TGCCTTTTCC | ACCTTTGTTA | GGCATCGCCA | CGCCGAATGG | GGTAAAACCA |
| | 39961 | ACGCACGCAG | AGCCATTGCA | GAGATATACG | CCGGCCTTAT | AACAACAACA | TTGACACGAC |
| | 40021 | AATACGGGGT | TCATTGGGAC | AAGCTTATTT | ATTCTTTTGA | AAAAACACCAC | CTAACTTCTG |
| | 40081 | TAATGGGCAA | TGGACTAACT | AAACCAATCC | AGAGAAGGGG | TGATGTACGC | GTATTAGAGT |
| 15 | 40141 | TAACCTTATC | TGATATTGTA | ACTATTTTGG | TTGCCACAAC | CCCGGTACAT | CTTCTCAATT |
| | 40201 | TTGCTAGATT | GGATTTAATT | AAACAGCATG | AGTATATGGC | CCGTACCCTC | AGACCCGTAA |
| | 40261 | TCGAGGCCGC | ATTTAGAGGT | CGTTTACTCG | TTTCGCTCATT | GGATGGAGAC | CCGAAAGGCA |
| | 40321 | ATGCCCGGGC | CTTTTTTAAT | GCCGCCCCAT | CCAAACATAA | ACTCCCGTTA | GCTCTTGGAT |
| | 40381 | CAAACCAAGA | TCCTACCGGC | GGGAGAATAT | TTGCATTTTCG | GATGGCAGAT | TGGAAACTTG |
| 20 | 40441 | TTAAAATGCC | ACAGAAAATA | ACGGATCCTT | TTGCGCCATG | GCAACTTTCC | CCCCCCCCCG |
| | 40501 | GGGTAAAGGC | CAATGTCGAT | GCAGTTACCC | GTATAATGGC | AACAGATCGT | CTTGCGACCA |
| | 40561 | TTACTGTACT | TGGGCGCATG | TGTCTCCCGC | CAATTTCTTT | AGTGTCAATG | TGGAATACGC |
| | 40621 | TGCAACCGGA | GGAATTGCGA | TACAGAACAC | AAGATGATGT | GGACATTATA | GTTGATGCGA |
| | 40681 | GACTGGATTT | GTCATCCACG | CTTAATGCAA | GATTTGATAC | CGCTCCACAG | AATACCACGT |
| 25 | 40741 | TAGAGTGGAA | TACAGACCGT | AAAGTAATTA | CAGATGCTTA | TATTCAAACC | GGGGCAACGA |
| | 40801 | CAGTTTTTAC | AGTAACGGGG | GCGGCACCAA | CTCACGTTTC | TAATGTAACA | GCGTTTGACA |
| | 40861 | TAGCAACTAC | GGCTATTTTA | TTTGGGGCTC | CTTTGGTTAT | TGCCATGGAA | CTTACATCCG |
| | 40921 | TTTTTTTCACA | AAATTCCGGA | CTTACTTTGG | GGTTAAAATT | ATTCGATTCC | CGGCATATGG |
| | 40981 | CTACAGATTC | GGGTATATCC | TCAGCCGTAT | CTCCCGATAT | TGTTTCTTGG | GGGTTACGTT |
| 30 | 41041 | TACTGCATAT | GGATCCTCAC | CCAATTGAAA | ATGCATGTTT | AATTGTCCAA | CTAGAAAAAC |
| | 41101 | TGTCCGCGCT | CATTGCAAAC | AAACCTCTTA | CAAACAATCC | CCCGTGTTTA | CTGCTATTGG |
| | 41161 | ACGAACATAT | GAATCCCTCT | TATGTTTTAT | GGGAACGAAA | AGACTCGATT | CCAGCTCCGG |
| | 41221 | ATTATGTGGT | CTTTTGGGGG | CCAGAATCTC | TTATTGATTT | GCCGTACATC | GACTCCGATG |
| | 41281 | AGGACTCTTT | CCCCTCGTGT | CCCGATGATC | CATTTTACTC | GCAAATTAAT | CCCGTTATAG |
| 35 | 41341 | CGCCCCAAGG | CCCCCAAAAC | CTCGACACAA | CTGATTTTTTA | CCCAACGGAG | CCACTATTTA |
| | 41401 | AGTCTCCCGT | TCAAGTTGTT | AGAAGTTCCA | AATGTAAAAA | AATGCCCCGC | CGGCCCGCGC |
| | 41461 | AGCCCGCGCA | GCCCGCGCAG | CCCGCGCAGC | CCGCGCAGAC | CGTCCAGCCC | GCGCAGCCCA |
| | 41521 | TAGAACCGGG | CACACAAATA | GTGGTACAAA | ATTTTAAGAA | ACCCCAAAGC | GTAAAAACAA |
| | 41581 | CCCTTAGCCA | AAAAGATATT | CCCTTGTATG | TGGAAACCGA | ATCAGAAACG | GCTGTGCTTA |
| 40 | 41641 | TACCTAAGCA | ATTAACCACC | TCCATTAAAA | CAACCGTTTG | TAAAAGTATT | ACCCACCAA |
| | 41701 | ATAACCAATT | GTCCGATTGG | AAAAATAATC | CACAGCAAAA | CCAAACGTTA | AACCAAGCGT |
| | 41761 | TCAGTAAACC | AATACTTGAG | ATTACCTCCA | TTCCGACAGA | TGACTCGATA | TCTTACCGGA |
| | 41821 | CTTGATTGA | AAAATCAAAT | CAAACACAAA | AACGGCATCA | AAATGACCC | CGAATGTATA |
| | 41881 | ACTCCAAAAC | AGTATTCCAC | CCTGTAAATA | ACCAATTACC | TTCTTGGGTT | GACACGGCAG |
| 45 | 41941 | CCGATGCCCC | CAAACGGAC | CTATTGACAA | ACTATAAAAC | AAGACAGCCG | TCGCCAAACT |
| | 42001 | TTCCGCGGGA | CGTACACACA | TGGGGCGTAT | CTTCTAACCC | GTTTAACTCA | CCGAACAGAG |
| | 42061 | ACCTATATCA | AAGTGATTTT | AGTGAACCTT | CTGACGGCTA | TAGCAGTGAG | AGTGAAAATT |
| | 42121 | CTATCGTACT | AAGTCTCGAC | GAACATCGGT | CATGTCGCGT | TCTTAGGCAC | GTACGCGTTG |
| | 42181 | TTAATGCCGA | TGTAGTCACC | GGTCGACGTT | ATGTCGGAGG | GACCGCCTTG | GGAGCACTGG |
| 50 | 42241 | CACGTGTTAAG | CCAGGCATGT | CGGCGTATGA | TCGACAACGT | TAGATATACA | CGTAAACTTT |
| | 42301 | TAATGGACCA | CACGGAAGAT | ATATTTCAAG | GCCTGGGGTA | TGTTAAATTG | TATTAGATAG |
| | 42361 | GAACATATAT | ATAAAGTAGC | GCCTATTAAA | AAAAAATAAA | AAACAACGAT | TTTTTCTGT |
| | 42421 | GTATTTTTAT | TTACACCCTA | CGACTTCTTG | AAGCGTTTCC | AGATTGTCCC | GTGTGTGACA |
| | 42481 | AGGTCTGTCC | CTTACCCCCC | TGGGGGGTAT | TTTGGGTTGG | GGGCGGGGTA | GACTGTGGCA |
| 55 | 42541 | CGCCTTGGGC | CGCGGGCGGT | GATCCGGTTG | TTGGCTGGAC | AGTGCTTGAC | TGTGCTCCCT |
| | 42601 | GTTGCGGTTG | TTGTCCAGAA | GACCCCGACA | CCACGTGTTG | CTGTTGTCCA | ACGGATGCCG |
| | 42661 | ACGTCGTTTG | AGGTGGGGGG | TGTTGCGGGG | ATGATCCCGA | AAACGCCAAC | GCGGCGGGCT |
| | 42721 | GTTGTAAAGC | AGACTGATCG | GCGCTCTGTG | TTTTTTGCGG | CAATATAGTA | GGCCCCGAGA |
| | 42781 | TTCCCAAAC | CATGGATGGA | TTTGGGGGTT | GTGGTCGTAT | AATACGCGGG | TTAAACGTAC |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 42841 | GTTTTAAGCC | AACCGTTGGT | CTTAACCATG | TCATAGGGTC | AGTCTCGGCA | AACATGGCCG |
| | 42901 | TTCGGCGTAT | CGTATTTGCA | TTATGGTTAG | CGCGTGCACG | CGCGGCACTG | GCCGCGGCTC |
| | 42961 | CCACGGTGTA | AATGCTTCTG | GCATCAGCGA | TGTCCACACG | GTGACCAGGT | TGCAAAAGTCT |
| 5 | 43021 | CACTGGCGTT | TAAAAGTCGT | ATTAAAGCAA | CGGGGGTGTA | AGCCGCAATT | GCTTCCACCG |
| | 43081 | AAAATGTGGT | GGGGTTGCTG | GGATCAAAGA | CTACACGAGA | CGATGCGGGT | TGTGTCATCG |
| | 43141 | TTTATTAGTT | TACGGGACAA | TCGATAACAG | CATACACGTA | CATCTGCGCA | GGATATGTAC |
| | 43201 | GGAAAGGCAA | TTTATTTCCA | GAAAAGCACG | GCCCCAATA | CAACTACCAG | TACAATTACA |
| | 43261 | ATGAACAGGG | CATATGTCAC | GTTAGCTACG | GGTAGAGCAA | GTTTCCAGAC | ACGCGTAGTT |
| | 43321 | TGGGTATCGG | GTAACGCAGG | TTTAATGTCA | CTTTGCATTT | GAACAGACGT | GTTTGGACTT |
| 10 | 43381 | CCGTCTCTCG | GTGGGGATCT | GAATGAAGGC | CGCCAGCGTA | TATATTCATC | CAAATTATTG |
| | 43441 | CCAGTTTCCT | TATACATGTA | TGCATCCGTG | GCGCGGGCCA | TAAGTTTAAT | GGTGCGAGAT |
| | 43501 | GGATCTTCCG | GTCCCATAAA | ACGAAAAGAT | AAC'TGAACAT | ATGGCATTCT | CACAAAGCAG |
| | 43561 | TTCAACCCACA | TAAAGCCTG | GAGAGGTCGG | CGGTCAATAC | CCCCACCTCG | TTTAATTGAT |
| | 43621 | TCCAAAGCAG | ATAGGTTGAT | ACCGTACTTT | AACGTTGAAC | TAAGAATCAC | GTTATTACTG |
| 15 | 43681 | TCAATGGACA | CTTCAGCCAC | TGGTGCCTTA | GTCCGACGAA | AAAAAAAACC | TTGAAATAGC |
| | 43741 | ACAGACACCC | CCGTATTTTG | AATTTTATG | TAAGGGTCAC | AATCTACTTG | CGCCCAATTCT |
| | 43801 | GCCATTAAAC | GCATAATATA | CTCTACCGGA | AAGGCTTCGG | ATACGTTGTC | TTCGCCGTTA |
| | 43861 | AACTGAAAAA | CACAACGGGC | GGGGGGGCGT | TGTGGATCAA | ATATTGGAAG | ATCCCCATCG |
| | 43921 | CAACATTGAA | GAGCGCTTGG | TACCACCAAC | CGAATACGTT | GTAAAAGATT | ATCTCCGCAA |
| 20 | 43981 | CCCCTCCTGC | GTTCACTCCG | TACATACGTT | CTCCGTGACA | TATTGATCTA | AGGTTGCAAA |
| | 44041 | CCAAGGCACA | CGCGTGAAGT | ATTTAGACCA | TTTATCGTGG | GATATAGGAG | GAGTTTGGAG |
| | 44101 | TGATCCACCC | CCTGACGACT | TATTAATGCG | TTTATTTTCC | CCATGTATTA | AGCATCCTTC |
| | 44161 | AATATTTTCAT | GCAAATCTAG | AAATTTGGCC | ATGACTCCCG | CAAAGCGTTC | ACGGCGACGG |
| | 44221 | GTCACGCTGG | CACATGTGTC | ACATGGAACA | ACATAAGCAG | ATTTTCTGTA | ATCGTTACTT |
| 25 | 44281 | TCTTTATGTT | TTAAAACGGA | CGCCAGGCGA | CTGGTAAATG | ATATATAATT | TAATTGAGCG |
| | 44341 | TCAGTTGTAG | GTAGAATTGC | TTCTATTTCC | GGGGGAATTA | AATTTTCAAA | CCAAACGGAA |
| | 44401 | AGAGTAAAGG | TGCTATCAGC | AGGAAAATAC | TTTGACTCCA | GTGCATCGAT | ATTTAATAGA |
| | 44461 | TTAACATCGG | TGTCTGTAAT | TAAATCGCGG | GCCCTCATCC | CAGAGATGGA | TCGGGTAGAA |
| | 44521 | TCAGAAGAAC | CCATGGATGG | ATTGCAATCG | CCCGTATTCT | CCGAAAATAC | ATCTTCTAAT |
| 30 | 44581 | TCCGGATGGT | GTTCCGACGC | ATTTTCCGAT | TCGTACATCG | CTTATAATCC | AGCCCTTCTG |
| | 44641 | CTAAAAAACG | ATTTGTTATT | TTGAGAATTG | TTATTTGCCT | CCCACTTAAT | AAATGTTCCC |
| | 44701 | CGTGCAATAG | AAAACAACGT | CAC'TTATGAG | GCCTCTTCGG | CGGTAGGTGT | GGATAATGAA |
| | 44761 | ATGACCTCAA | GTACCACCTGA | ATTTATAGAA | GAAATTGGAG | ACGTTTGGC | TTTAGACAGA |
| | 44821 | GCCTGTTTGG | TCTGCAGAAC | GCTTGATTTG | TATAAACGTA | AATTTGGACT | GACACCGGAA |
| 35 | 44881 | TGGGTTGCGG | ACTACGCCAT | GTTATGTATG | AAAAGTCTGG | CATCCCCGCC | CTGTGCAGTT |
| | 44941 | GTCAC'TTTTA | GCGCTGCCTT | TGAATTTGTG | TATCTTATGG | ATCGTTACTA | CCTGTGCCGT |
| | 45001 | TATAACGTTA | CTTTGGTTGG | GTCTTTTGCC | AGGCGCACGC | TTTCCCTGTT | AGATATACAA |
| | 45061 | AGACATTTT | TTTTGTCATG | ATGTTTTCGT | ACCGATGGAG | GGTTACCAGG | TATACGACCG |
| | 45121 | CCCCCGGTA | AGGAAATGGC | CAACAAAGTA | AGATATTCCA | ATTACTCCTT | TTTTGTACAG |
| 40 | 45181 | GCGGTAGTTA | GGGCTGCATT | ACTATCGATC | AGCACGTCTC | GTTTAGACGA | AACCGAAACG |
| | 45241 | CGTAAGTCAT | TTTACTTTAA | TCAGGACGGA | CTGACTGGAG | GCCCTCAACC | TTTAGCGGCC |
| | 45301 | GCTTTGGCTA | ATTGGAAGA | TGCGCGCGG | ATGGTTGACT | GTTTCATATC | TTAAGCATCGC |
| | 45361 | ACAAGTGGGA | TGATTACCTG | CGCGGAACGT | GCATTAAAAG | AGGATATAGA | GTTTGAAGAT |
| | 45421 | ATATTAATAG | ACAAACTTAA | AAAATCGTCT | TACGTAGAAG | CAGCTTGGGG | TTACGCAGAC |
| 45 | 45481 | TTGGCTTTAT | TATTACTGAG | TGGGGTTGCT | ACTTGGAATG | TAGACGAGCG | TACAAATTGT |
| | 45541 | GCTATAGAAA | CTCGCGTTGG | ATGTGTTAAA | TCATACTGGC | AGGCGAACCG | GATTGAAAAC |
| | 45601 | TCCAGGGACG | TTCCAAAACA | ATTTTCCAAA | TTTACGAGCG | AGGATGCCTG | TCCCGAAGTA |
| | 45661 | GCATTTGGGC | CTATTTTGT | AACTACCTTA | AAAAACGCAA | AGTGCCGTGG | TCGCACGAAT |
| | 45721 | ACCGAATGCA | TGTTATGTTG | TTTATTAACC | ATAGGGCACT | ATTGGATCGG | TTTGCGGCAG |
| 50 | 45781 | TTTAAAAGGG | ATATATTAGC | ATACTCAGCA | ATAACACAA | GT'TTATTTGA | CTGTATCGAA |
| | 45841 | CCTGTAATCA | ATGCATGGAG | CCTAGATAAC | CCCATTA AAC | TTAAATTTCC | ATTTAATGAT |
| | 45901 | GAGGGTCGAT | TCATAACCAT | TGTAAGAGCA | GCAGGTTCCG | AGGCCGTATA | TAAACATTTA |
| | 45961 | TTTTGCGATC | TCCTATGCGC | TCTCTCGGAA | TTACAGACAA | ACCCTAAAAT | TTTATTTGCC |
| | 46021 | CATCCTACAA | CCGCGGATAA | GGAAGTGTG | GAGTTATATA | AAGCCCAACT | GGCTGCACAA |
| 55 | 46081 | AACAGATTTG | AAGGTCGTGT | ATGTGCTGGC | CTGTGGACAT | TGGCGTATGC | ATTTAAAGCC |
| | 46141 | TACCAGATTT | TTCCACGCAA | ACCAACCGCC | AATGCCGCAT | TCATACGAGA | TGGAGGACTT |
| | 46201 | ATGCTTCGAC | GACATGCAAT | ATCGCTGGTC | TCCCTCGAAC | ACACCTTATC | GAAGTATGTC |
| | 46261 | TAGGCGATAT | AAATCCGTAT | CTCGGAGCGG | GCCTTCGATG | CGGTACGCT | CGAAGACGCC |
| | 46321 | ATGCCGCCGT | CAAACCATTC | GAGGAAAAC | TATGTCAAAG | GAGCGGTCTG | TGTACCGCCA |

| | | | | | | | |
|----|-------|-------------|-------------|------------|-------------|-------------|-------------|
| | 46381 | TTATTTTAAAT | TACATCGCAA | GGTCCCCCCC | AGAAGAACTA | GCTACCGTTA | GAGGCTTAAT |
| | 46441 | CGTGCCAATT | ATTAAGACGA | CCCCTGTCAC | CCTTCCGTTT | AACTTGGGTC | AGACAGTGGC |
| | 46501 | GGATAACTGC | CTGTTCGTTAT | CCGGAATGGG | TTATCATTTA | GGTCTCGGAG | GTTATTGTCC |
| | 46561 | GACATGCAC | GCATCTGGAG | AACCGCGTCT | ATGTCGAACC | GATCGGGCGG | CTCTGATACT |
| 5 | 46621 | AGCATATGTT | CAGCAGCTTA | ACAACATATA | CGAATATCGT | GTGTTTCTTG | CATCCATTTT |
| | 46681 | GGCGCTATCA | GACCGAGCCA | ACATGCAAGC | AGCGTCCGCT | GAACCCCTAT | TGTCGAGCGT |
| | 46741 | ATTGGCACAA | CCGGAATTAT | TTTTTATGTA | TCATATTATG | AGGGAGGGGG | GCATGCGAGA |
| | 46801 | TATACGCGTA | CTTTTTTATC | GTGATGGAGA | TGCCCGAGGG | TTTATGATGT | ATGTTATATT |
| | 46861 | TCCGGGGAAA | TCTGTTTACC | TCCATTACAG | ACTAATCGAT | CATATACAGG | CCGCGTGTCC |
| 10 | 46921 | GGGGTATAAA | ATAGTCGCAC | ACGTTTGGCA | GACAACATTT | TTACTGTCGG | TATGTCGCAA |
| | 46981 | CCCAGAACAA | CAAACAGAGA | CTGTGGTGCC | ATCCATTGGA | ACATCGGACG | TTTACTGTAA |
| | 47041 | AATGTGTGAC | CTTAACCTTG | ATGGAGAATT | GCTTTTGGAA | TACAAAAGAC | TCTACGCATT |
| | 47101 | ATTTGATGAC | TTTGTTTCTC | CTCGGTGATT | TCAGCTTCAG | TGTTTCAATTT | ATTATCCCAG |
| | 47161 | CACGGGGCGT | GTATACAAAC | AAAGCCTGCC | GCCTGCAAGC | GGTTTAGCAT | TTTAAACGTTA |
| 15 | 47221 | ACAACTCGTG | TCTCTGGAAT | AAAACGTTT | AAAAGCCGTT | CTGTGAGTTT | AGTGTCTGTTT |
| | 47281 | CCAAATAACG | CCTTAAAGT | TACACTCGCC | GTCCCAATGA | GATGAGAAAA | ATAATAGTCA |
| | 47341 | ATGTTTAAAG | ACAGCCCGTG | TGATGTTACG | TGAATGGGAT | CTTCCGCTAA | GTCAGATATT |
| | 47401 | ATTAACCTTAC | GCTTTGCTTC | CCACACCCGT | TTACCTGCGG | TATTCTGTAA | AGGATCTCCA |
| | 47461 | CGTAGCAAAG | CTACACTTTT | TGCATCAGCC | TCCACTTCGT | CTGTGGGGGC | CACAATAACA |
| 20 | 47521 | TAAGGGATGC | GTTCTCGAAC | GTTTGGGATT | TGACCCTGTC | TCATTACTAA | TTTATAATAT |
| | 47581 | ACTGTTAAGT | GAGCCAAGCG | ACGGTTTATG | TAGGCGGATG | GTGGACGACT | AAGCTCGGCC |
| | 47641 | GTCATAACAA | ACTTATTAAT | ATCCAATTTG | GGTGATGTAA | TCTGGCGATG | TGCATCTGCA |
| | 47701 | ATTATGCGTC | CAAACCCGGC | CATCCCAGAC | GGCATGGCCC | GTCTATTCCA | TTCAGCAATG |
| | 47761 | GAAACACACG | ACGCCTCCGC | CGCAGCACGC | GAGACGGTGT | CGTCATATA | CAACAGTTCT |
| 25 | 47821 | ACAAGTTTGC | GGGCAATAATC | GTTAATAAAT | TGACAGTTGT | TTTTTCTAAC | CAAGTCGACT |
| | 47881 | CCCTTCATTA | AAACCTTTCC | GCCGTAAAT | ACCCCAATGT | ACTTTTTCTT | TGTTATAAGC |
| | 47941 | AAAAGTTTTA | TAAAAGTTTT | TTCACACTCC | AACCTTTATAG | GAGGACAAAA | CAGAGCCGTT |
| | 48001 | GAAATTATAT | GTGCCATTTT | CTCGCCGATT | TTAGCTATCC | CCTCAACACT | AACACCCTTG |
| | 48061 | AATCGGATAA | ACACAGAATC | CGTATCTCCA | TATATAACCT | TTACCTCGTA | CGTTTTTTTG |
| 30 | 48121 | GAGAGAACGC | TACTTTCAAT | GTCTGGAAAC | GCTGTAATAA | AACGTTCAAA | TGCGGCCCCAG |
| | 48181 | TTATTATGAA | TATAATCTCT | GGTACTTAAT | AACATTTGAC | GGCCAATTGT | AGTGACAGTG |
| | 48241 | GCCGCTACGT | ATAAACATGG | CAGAAATCCC | TGCGCAACTC | CAGTAAAACC | GTACACGGAA |
| | 48301 | TTACAAACTA | CTTTTATCGC | GGCTTGTGT | TTGTCTAATA | ACACTGCTTC | ATCTGAAGAA |
| | 48361 | CTTCCGGGTA | TGCGCGCTCT | AATAGCCTTG | CGCATAGCCA | ACCAGTCTTT | TAAAAGAACA |
| 35 | 48421 | CCCAGCAGAC | TTTCTCGAAC | GTTAGAGCGC | ACAAAAAAA | GACGTTTTCC | TCCAACGTGA |
| | 48481 | AAGGTGGCAT | AATCGGATGG | ATTCAAACGT | TTAACCGTCT | CAAAATTTAA | CGTTAGCGTG |
| | 48541 | GTAACACATA | AGTTATGGGC | CTGAATTATA | CTTGGATATA | AACTTGCAAA | ATCCAATACG |
| | 48601 | ACCACCGGAT | CGATATAAAA | TCCCGTATCA | GGGTCAAAAA | CCCTGGCTCC | TTTATATCCT |
| | 48661 | ACATTTGCGC | CACTTGACGT | ACCACTGGGA | GAAACGCTCT | CGTCTTCATC | CATCTCTTCC |
| 40 | 48721 | TCAACATCCC | CGACATCGGG | AATAACATCC | TTATATTCAA | AAGTAGCTGG | GTATCCCCCA |
| | 48781 | TCGGGTAAAA | TAAATCCTCG | AGACGAAGCC | AGTCCTAATA | AACAGGTGTA | AATCCTAACC |
| | 48841 | TGCTGTCCGT | CGTAAATAGC | CTTGGTTAAA | GTAATTCTAG | CTAGCCTTGT | AACCGCGGAT |
| | 48901 | AACCTCAAGGT | GTGGTAAATA | TTTAAAAAAC | AGTTTCCCCA | CAAGAGCCGA | GTCTTGATATA |
| | 48961 | CAATATTAC | CAATAATTCC | TCGTGTATT | GGTCCACTAG | CGTAATATCC | CGGAATGTCT |
| 45 | 49021 | TTGTAGGGCA | AATCTCTCTT | GGACTCATTT | AGAGCTTCAC | GTGCAACCGA | ATCTAATTTA |
| | 49081 | TAACCTCGAGA | GTTTTAATTT | TTTCACTTGA | ATTGCATACA | TATCCAGAGA | TATGAGACCG |
| | 49141 | TTGATCTTTA | CCTTGCTTCG | TCGTGAAAT | CCGGATTTGC | CAACATCCCA | TATCTTAAAC |
| | 49201 | AGACCCCCAC | GGTTTATACT | GCCATAACCA | TCAAGCTTGA | GACTGTATAT | AGAATTAAGT |
| | 49261 | TTCTCCATAA | TAAACGCCCC | ATCAAAATTA | ACAATGTTAT | AACCTGTGGC | AACTCGGGA |
| 50 | 49321 | GCGTACTGTT | TTACGAGGGT | CATAAATGCA | ATTAATAGCT | CGAATTCAT | ATCAAACCTC |
| | 49381 | AGCAGATCG | GCTCCGGTAA | CCCCCGTCC | TTTCAATTCCT | GTACATACCT | TTGTGGTAAAG |
| | 49441 | TCACAAGAGC | CAAGGGAAAA | CAGTAAAATG | TGTTCTAAAG | ACTGTCGAGG | GATTGAATAT |
| | 49501 | AATAGACAAG | AAATTTGGAT | TACAAGATCC | TCCAGATGTG | TTGCATCGGG | AAACGCCAGC |
| | 49561 | TCATTAGATC | CTCCTGATTT | ACATTCATAA | TCCGAAACATA | ACAACCTGTA | GTCAGGCCAT |
| 55 | 49621 | GAGTCATCGT | TTGGTATAGC | CTGCAGATTA | TCCGACATGC | AGTCAATTTT | AACGTCGCTT |
| | 49681 | AACGTTAATT | GGCGACTTGC | CGGTGCAACT | CGAACACGTT | CCCCATCAAC | TCCAGGTTTTT |
| | 49741 | AGTTGATACC | AACCAAAACT | AACAAAGCCG | GGATTATCCA | TTAGAAAACG | AGTGGTAGCG |
| | 49801 | TCTACCCGAC | CTTCATACTT | TTTCAACTCC | GGGTGAAAGT | TATCACAAAG | ATAATTTGTA |
| | 49861 | AATTTAGATG | AGGGAGAATA | CACCCTGTAA | AACGCACATG | GCTGTGTATC | GTAGTAATAA |

| | | | | | | | |
|----|-------|------------|-------------|-------------|------------|------------|-------------|
| | 49921 | ACATCTGTGC | GCTCAATAAC | CTCAACGCGA | AAGCTTTCTG | GAGATGCGCT | TTTAAACGAG |
| | 49981 | GTACCATGAA | AAGCGTTCTT | GTCTCCATTT | AACGTTGCAT | CATTTTGTGT | TATCATAGAA |
| | 50041 | CTGCGTAAAC | ACTCGGCAAG | TAATACAGAT | AACTCGCTAC | CGGAACGTAT | GCCACAAGCG |
| 5 | 50101 | GTATCCACCT | CGGCTTTGTT | TATATAAAAA | TATTGACAGA | TGCCGTATAC | ATGAACTGCC |
| | 50161 | ACCCTTTTTT | CACATCGGGA | CATGCCAAGT | AAAGTAATAA | CGGTACCAAG | CGGTCTGTGT |
| | 50221 | GCAGTTGCAA | ACCGGGATAC | ATCTCCATTA | GACGCGGCTT | CTGTTGTTTC | GACAATATCA |
| | 50281 | TATACATGGA | ATGTGTTAAA | GCGGGGCTCA | AACTTATCCC | CACGAAAGTC | GATTTCCCCC |
| | 50341 | CAAATATTCA | CGCGTCTAGG | CCAGGGGCTG | GAACAACGAA | AATCCAGAAT | CGGAACCTCT |
| 10 | 50401 | TTTCCATTAC | AGTAAACTTT | AGGCGGTCGA | CTAAGTGTA | CGACGTGAAC | CCCCTTTCGT |
| | 50461 | TCTTCCATGG | GCACATCTTC | ATCTAAACAT | TTAGGGGCCA | AAAATTGAAA | CGATGACATG |
| | 50521 | GTAGTTTTGT | AACATGAAG | AAATTCTCTG | TTACTACCGC | GCCCGGTTCT | TGGGTTATAT |
| | 50581 | TTAATCCCTG | ATGCTTGGGT | TAAAAAGGGA | TTACAAAACC | CCGTTCTGAT | CGCCATTTTA |
| | 50641 | TGTTAACGAT | TGATAATCTT | GTAAAAAGCC | AGTGTTACTG | AGTAACACAA | CCCCACGCCC |
| 15 | 50701 | TTCTAATACA | TAAAGTGTA | TCACGTGATT | TGTTGTGGTT | TCCGCATATG | TAATACCCGT |
| | 50761 | TTAAAAGCCT | CTCTTCTTAA | TGTATCGACA | GACTGGGTTT | TGGGTGGTCA | TTTGACCCCTG |
| | 50821 | CCAACAACCC | CCCATTATTA | CGAGTACTTC | ACCAAAATGG | AAAATACTCA | GAAGACTGTG |
| | 50881 | ACAGTGCCCA | CGGGGCCCTT | GGGTTACGTT | TATGCGTGCC | GGGTTGAAGA | TTTGGATCTG |
| | 50941 | GAGGAAATTT | CATTTTGGGC | CGCTCGTAGC | ACGGACTCTG | ATTTGGCTTT | ATTACCTTTG |
| 20 | 51001 | ATGCGTAATT | TGACCGTGGA | AAAAACTTTT | ACATCCAGCC | TGGCGGTGGT | TTCTGGAGCA |
| | 51061 | CGCACTACGG | GTCTTGCCGG | AGCTGGTATT | ACCTTAAAA | TCCTACACAG | TCATTTCTAT |
| | 51121 | CCATCTGTCT | TTGTCTTTCA | CGGAGGCAAA | CACGTTTAC | CCAGCTCCGC | GGCCCCAAAT |
| | 51181 | CTCACACGCG | CGTGTAAACG | GGCTCGAGAA | CGGTTTGGGT | TTTCACGCTG | CCAAGGGCCT |
| | 51241 | CCTGTTGACG | GTGCTGTTGA | GACGACCGGC | GCTGAGATAT | GCACCCGCCT | TGGATTAGAG |
| 25 | 51301 | CCAGAAAATA | CAATATTATA | CTTGGTGGTC | ACGGCATTGT | TTAAGGAAGC | CGTATTTATG |
| | 51361 | TGCAACGTGT | TTCTGACATTA | TGGAGGACTC | GATATTGTTT | ATATTAACCA | TGGGGATGTT |
| | 51421 | ATACGTATAC | CGTTATTTCC | GGTACAACCT | TTCATGCCCC | ATGTTAACCG | TCTGGTACCC |
| | 51481 | GACCCATTCA | ACACTCATCA | CAGGCTCTATC | GGAGAGGGTT | TTGTATACCC | AACACCCCTT |
| | 51541 | TATAACACCG | GGTTGTGCCA | TTTAATACAT | GACTGTGTTA | TTGCTCCCAT | GGCCGTTGCC |
| 30 | 51601 | TTGCGCGTCA | GAAATGTAAC | TGCCGTGCGC | CGAGGAGCGG | CCCACCTTGC | TTTTGATGAA |
| | 51661 | AATCACGAGG | GGGCAGTACT | CCCCCCTGAC | ATTACGTACA | CGTATTTTCA | GTCTCTTTCA |
| | 51721 | AGTGGAACCA | CTACCGCCCC | TGGAGCGCGT | CGAAACGATG | TCAACTCCAC | GTCTAAGCCT |
| | 51781 | AGCCCATCGG | GGGGGTTTGA | AAGACGGTTG | GCGTCTATTA | TGGCCGCTGA | CACAGCCTTG |
| | 51841 | CACGAGAAG | TTATATTCAA | CAGTGAATTT | TACGAAGAAA | CTCCAACAGA | TATCAAAGAA |
| 35 | 51901 | TGGCCAATGT | TTATAGGCAT | GGAGGGCACT | TTGCCAAGGC | TAAACGCTCT | GGGGTCATAT |
| | 51961 | ACCGCTCGTG | TGGCCGGGGT | CATTGGTGCG | ATGGTTTTC | GCCCAAATTC | TGCGTTGTAT |
| | 52021 | CTAACTGAGG | TGGAGGATAG | CGGGATGACC | GAAGCCAAGG | ATGGGGGACC | GGGTCCATCA |
| | 52081 | TTTAATCGAT | TTTACCAGTT | TGCCGGACCT | CATTTAGCTG | CGAATCCCCA | AACAGATCGA |
| | 52141 | GATGGCCACG | TTCTATCCAG | TCAGTCTACG | GGTTCATCAA | ACACAGAGTT | TAGCGTGGAT |
| 40 | 52201 | TATTTGGCAC | TCATTTGTGG | ATTTGGAGCA | CCCCTGTTGG | CGCGACTGCT | TTTTTATCTA |
| | 52261 | GAACGCTGTG | ACGCTGGTGC | GTTTACAGGG | GGTCACGGGG | ATGCGTTAAA | ATATGTTACG |
| | 52321 | GGGACCTTTG | ACTCTGAAAT | TCCATGTAGT | TTATGTGAAA | AACACACGCG | GCCGGTATGC |
| | 52381 | GCTCACACAA | CAGTACACCG | ACTTAGACAA | CGCATGCCGC | GATTTGGACA | AGCCACCCGT |
| | 52441 | CAACCTATTG | GGGTGTTTGG | AACAATGAAC | AGCCAATATA | CGCATGCGCA | TCCTCTAGGA |
| 45 | 52501 | AACTATGCTC | CATATTTAAT | CTTTCGAAAA | CCCCGGGATC | AAACGGAAGC | AGCAAAGGCA |
| | 52561 | ACCATGCAGG | ACACTTATAG | GGCTACACTA | GAACGCTTGT | TTATCGATCT | AGAACAAGAG |
| | 52621 | CGACTACTGG | ATCGCGGTGC | CCCATGTTCT | TCCGAGGGAC | TATCGTCTGT | CATTGTGGAT |
| | 52681 | CATCCAACGT | TTCGTGCGAT | ATTAGACACA | CTGCGTGCGC | GTATAGAACA | GACAACAACA |
| | 52741 | CAATTTATGA | AAGTGTTGGT | TGAGACCCGC | GATTATAAGA | TCCGTGAAGG | ATTATCCGAA |
| 50 | 52801 | GCCACCCATT | CAATGGCGTT | AACGTTTGAT | CCATACTCAG | GAGCATTTTG | TCCCATTACC |
| | 52861 | AATTTTTTAG | TTAAACGAAC | ACACCTAGCC | GTGGTACAAG | ACTTAGCATT | AAGCCAATGT |
| | 52921 | CATTGTGTAT | TTTACGGACA | GCAAGTTGAG | GGGGGGAAT | TTTCGTAACA | ATTTCAACCT |
| | 52981 | GTTTTGCGGC | GGCGTTTTGT | TGACCTGTTT | AATGGGGGGT | TTATATCAAC | ACGCTCTATA |
| | 53041 | ACCGTAACAT | TATCTGAAGG | TCCTGTATCC | GCCCCAAATC | CGACATTGGG | ACAAGACGCG |
| 55 | 53101 | CCCGCGGGGC | GTACCTTTGA | TGGGGATTTA | GCGCGCGTAA | GCGTGGAAGT | TATTCGGGAT |
| | 53161 | ATACGAGTTA | AAAATAGGGT | CGTTTTTTTCA | GGTAACTGTA | CAAATCTCTC | TGAGGCAGCC |
| | 53221 | CGGGCAAGGC | TTGTAGGCCT | TGCAAGTGCG | TACCAACGCC | AAGAAAAAAG | AGTGGATATG |
| | 53281 | TTACACGGGG | CCCTAGGGTT | TTTGCTTAAA | CAGTTTCACG | GCCTGTTATT | TCCTCGGGGT |
| | 53341 | ATGCCACCAA | ACAGTAAATC | CCCCAACCCG | CAGTGGTTTT | GGACCCTGTT | ACAACGCAAC |
| | 53401 | CAGATGCCGG | CAGATAAACT | TACACACGAA | GAGATTACCA | CTATTGCAGC | TGTTAAACGG |

| | | | | | | | |
|----|-------|------------|------------|-------------|-------------|-------------|------------|
| | 53461 | TTTACCGAGG | AATATGCAGC | AATAAACTTT | ATTAATCTAC | CCCCAACCTG | CATAGGAGAA |
| | 53521 | TTAGCCAGT | TTTATATGGC | AAATCTTATT | CTTAAATACT | GCGATCATTC | ACAGTACCTT |
| | 53581 | ATAAATACCT | TAACTTCTAT | AATTACGGGT | GCCAGGCGCC | CGCGTGACCC | ATCATCCGTT |
| 5 | 53641 | TTGCATTGGA | TTCGTAAAGA | TGTCACGTCC | GCCGCGGACA | TAGAAACCCA | AGCAAAGGCG |
| | 53701 | CTTCTTGAAA | AAACGGAAAA | CTTACCGGAA | TTATGGACTA | CGGCTTTTAC | TTCAACTCAT |
| | 53761 | TTAGTCCGCG | CGGCCATGAA | TCAACGTCCC | ATGGTCGTTT | TAGGAATAAG | CATTAGTAAA |
| | 53821 | TATCACGGAG | CGGCAGGAAA | CAACCGCGTC | TTTCAGGCAG | GGAAATGGAG | CGGTTTAAAC |
| | 53881 | GGGGGTAAAA | ATGTATGCCC | GCTATTTACA | TTTGATCGCA | CTCGCCGTTT | TATAATAGCA |
| | 53941 | TGTCCTAGAG | GAGGTTTTAT | CTGCCCCGTA | ACAGGTCCCT | CGTCGGGAAA | TCGAGAAACC |
| 10 | 54001 | ACCCTATCCG | ACCAAGTTCG | CGGTATAATT | GTCAGTGGCG | GGGCCATGGT | TCAATTAGCC |
| | 54061 | ATATACGCCA | CGGTGTGCG | TGCAGTGGGC | GCTCGAGCAC | AACATATGGC | ATTTGACGAC |
| | 54121 | TGGTTAAGTC | TTACAGACGA | TGAGTTTTTA | GCCAGAGACT | TGGAGGAGTT | ACACGACCAG |
| | 54181 | ATTATCCAAA | CCCTGGAAAC | GCCCTGGACC | GTAGAAGGCG | CTCTAGAAGC | AGTAAAGATT |
| | 54241 | CTAGATGAAA | AAACGACAGC | GGGAGATGGG | GAAACCCCCA | CAAACCTAGC | ATTTAATTTT |
| 15 | 54301 | GATTCTTGTT | AACCAAGCCA | TGACACCACA | TCTAACGTAT | TAAACATTTT | AGGGTCAAAC |
| | 54361 | ATTTCAGGGT | CAACTGTCCC | TGGTCTTAAA | CGACCCCCCG | AAGATGACGA | ACTCTTTGAT |
| | 54421 | CTTAGTGGTA | TTCCCATAAA | ACATGGGAAC | ATTACAATGG | AAATGATTTA | ACCTCCCTCT |
| | 54481 | TTATCCAATT | AAAGCCCACA | CGCGGGTGAG | TGTACGTAAT | AAACAAGTCA | ATATTACATA |
| | 54541 | TTCTGTGTGT | TTTTCTTTTT | TTGTGTGTAG | TCCTTACCCA | TATGACCTGT | AATATAGTGT |
| 20 | 54601 | GTCTCCAACC | ATTCAGCTTA | CAGTCCAGTG | GACAGTAACA | GCCCCGATAAC | ATGGAATTGG |
| | 54661 | ATATTAATCG | AACATTTGTT | GTTCTACTGG | GTCAAGTTTA | TACGTACATC | TTTCAGGTTG |
| | 54721 | AACTGCTACG | TCGATGTGAT | CCAAGGGTGG | CGTGTGCGTT | TTTATATCGG | TTAGCGGCTA |
| | 54781 | ACTGTTTGAC | AGTTCGTTAT | TTATTAAAGC | TGTTTCTCCG | GGGATTTAAT | ACCCAGCTAA |
| | 54841 | AATTTGGAAA | CACTCCCACG | GTTTGTGCAC | TGCATTGGGC | ATTATGTTAT | GTAAGGGGAG |
| 25 | 54901 | AAGGTGAGCG | TTTGTTTGAG | TTGCTACAAC | ATTTTAAAAAC | GCGTTTGTGT | TATGGTGAGA |
| | 54961 | CTAAAGACTC | AAACTGTATC | AAAGATTACT | TTGTCTCAGC | GTTTAACTTA | AAAACCTGCC |
| | 55021 | AATATCACCA | TGAGCTGTCG | TTAACAACAT | ACGGAGGTTA | CGTATCGAGT | GAAATTCAGT |
| | 55081 | TTTTACACGA | CATTGAGAAT | TTTTTAAAAAC | AGCTTAATTA | CTGCTATATT | ATCACGTCTT |
| | 55141 | CTCGTGAGGC | GCTAAACACA | TTGGAAACCG | TGACGCGGTT | TATGACAGAT | ACTATAGGAA |
| 30 | 55201 | GCGGTCTAAT | ACCACCCGTG | GAGTTGTTTG | ATCCGGCGCA | TCCATGTGCT | ATATGTTTTG |
| | 55261 | AAGAATTATG | TATAACAGCT | AACCAAGGTG | AGACCTTACA | TCGTAGATTA | TTAGGATGTA |
| | 55321 | TCTGCGATCA | CGTTACTAAG | CAAGTTCGGG | TTAACGTGGA | TGTTGACGAT | ATTATTCGGT |
| | 55381 | GTTTACCATA | TATCCCTGAT | TACCCGGATA | TCAAACGTCA | ATCCGCCGTT | GAAGCGTTAC |
| | 55441 | GAACACTTCA | AACCAAGACG | GTAGTCAATC | CCATGGGAGC | AAAGAACGAT | ACGTTTGACC |
| 35 | 55501 | AAACATACGA | AATTGCGAGC | ACCATGCTTG | ATTCTTATAA | TGTTTTTAAA | CCTGCCCTC |
| | 55561 | GGTGTATGTA | CGCCATCAGC | GAGCTTAAAT | TCTGGTTAAC | GTCTAATTC | ACTGAAGGAC |
| | 55621 | CCCAACGTAC | TTTAGACGTG | TTTGTTGATA | ATTTGGATGT | ATTAAACGAA | CATGAAAAAC |
| | 55681 | ACGCAGAACT | TACAGCCGTA | ACGGTTGAGT | TGGCGTTATT | TGGAAAAACT | CCCATACACT |
| | 55741 | TTGATAGGGC | GTTTTCTGAA | GAACCTCGAT | CTCTGGATGC | AATTGATAGT | ATTTTGGTTG |
| 40 | 55801 | GCAATCGCTC | ATCCTCACCA | GACAGTCAGA | TAGAAGCATT | AATTAAAGCC | TGTTATGCCC |
| | 55861 | ATCATCTATC | GTCGCCTCTC | ATGCGTCACA | TTTCTAACC | GAGTCATGAT | AACGAAGCCG |
| | 55921 | CCTTACGCCA | ACTTTTAGAA | AGAGTTGGGT | GTGAGGATGA | TTTACCAAAA | GAGGCGAGTG |
| | 55981 | ACAGCGCTAC | AGCATCCGAA | TGTGATCTGA | ACGATGATAG | TAGCATAACT | TTTGCTGTTT |
| | 56041 | ATGGATGGGA | AAACCTGTTA | TCCAAAGCAA | AAATTGACGC | TGCGGAAAGA | AAACGAGTAT |
| 45 | 56101 | ATCTTGAACA | TCTGTCTAAG | CGCTCTCTAA | CCAGCCTCGG | TAGATGTATC | CGCGAACAGC |
| | 56161 | GCCAAGAGCT | AGAAAAAACA | CTCAGGGTAA | ACGTTTATGG | AGAGGCCTTA | TTGCAGACAT |
| | 56221 | TTGTTTTGAT | GCAAAATGGG | TTTGGGGCAC | GAAACGTGTT | TTTAGCTAAG | GTTTCCCAGG |
| | 56281 | CAGGGTGTAT | TATCGACAAT | CGCATTCAGG | AAGCGGCCCT | TGATGCACAT | AGATTTATAA |
| | 56341 | GGAATACCTT | AGTTCGACAT | ACAGTAGATG | CGGCTATGTT | ACCTGCACCT | ACACATAAAT |
| 50 | 56401 | TTTTTGAGTT | GGTCAACGGC | CCATTGTTTA | ATCACGATGA | ACACCGTTTT | GCACAACCCC |
| | 56461 | CTAACACCGC | CTTATTTTTT | ACCGTGGAAA | ACGTTGGCCT | ATTTCCGCAC | TTAAAAGAGG |
| | 56521 | AATTGGCAAA | GTTTATGGGC | GGTGTGCTTG | GTTCCAACCTG | GCTTCTCAGT | CCATTTAGGG |
| | 56581 | GCTTTTATTG | CTTTTCTGGG | GTAGAAGGCG | TTACTTTTGC | ACAGAGACTT | GCCTGGAAAT |
| | 56641 | ATATTAGGGA | GCTTGTGTTT | GCAACCACAC | TATTCACCTC | TGTTTTCCAT | TGTGGGGAGG |
| 55 | 56701 | TGCGGTTATG | TCGCGTTGAC | CGTCTAGGTA | AGGATCCACG | CGGGTGCACG | TCTCAACCTA |
| | 56761 | AAGGTATAGG | CAGTTCCAC | GGACCCCTAG | ACGGCATTTA | TTTAACGTAC | GAAGAAACAT |
| | 56821 | GTCCCTTGT | GGCTATTATT | CAAAGTGGAG | AAACAGGGAT | CGACCAGAAT | ACCGTCGTAA |
| | 56881 | TCTACGATT | AGACGTTTTT | TCTCTTCTAT | ACACCCTAAT | GCAGCGGCTG | GCTCCGGATT |
| | 56941 | CAACGGACCC | GGCGTTTTCA | TAACCTCCGT | TACGGGGGTG | TGGTTATGCT | TTTTATGCAT |

| | | | | | | | |
|----|-------|------------|-------------|-------------|-------------|-------------|------------|
| | 57001 | ATTTTCTATG | TTTGTTACGG | CGGTTGTGTC | GGTCTCTCCA | AGCTCGTTTT | ATGAGAGTTT |
| | 57061 | ACAAGTAGAG | CCCACACAAT | CAGAAGATAT | AACCCGGTCT | GCTCATCTGG | GCGATGGTGA |
| | 57121 | TGAAATCAGA | GAAGCTATAC | ACAAGTCCCA | GGACGCCGAA | ACAAAACCCA | CGTTTTACGT |
| 5 | 57181 | CTGCCCACCG | CCAACAGGCT | CCACAATCGT | ACGATTAGAA | CCAAC'TCGGA | CATGTCCGGA |
| | 57241 | TTATCACCTT | GGTAAAAACT | TTACAGAGGG | TATTGCTGTT | GTTTATAAAG | AAAACATTGC |
| | 57301 | AGCGTACAAG | TTTAAGGCGA | CGGTATATTA | CAAAGATGTT | ATCGTTAGCA | CGGCGTGGGC |
| | 57361 | CGGAAGTTCT | TATACGCAAA | TTACTAATAG | ATATGCGGAT | AGGGTACCAA | TTCCCGTTTC |
| | 57421 | AGAGATCACG | GACACCATTG | ATAAGTTTGG | CAAGTGTTCT | TCTAAAGCAA | CGTACGTACG |
| | 57481 | AAATAACCAC | AAAGTTGAAG | CCTTTAATGA | GGATAAAAAAT | CCACAGGATA | TGCCTCTAAT |
| 10 | 57541 | CGCATCAAAA | TATAATTCTG | TGGGATCCAA | AGCATGGCAT | ACTACCAATG | ACACGTACAT |
| | 57601 | GGTTGCCGGA | ACCCCCGGAA | CATATAGGAC | GGGCACGTCG | GTGAATTGCA | TCATTGAGGA |
| | 57661 | AGTTGAAGCC | AGATCAATAT | TCCCTTATGA | TAGTTTTTGA | CTTTCACCGG | GAGATATAAT |
| | 57721 | ATACATGTCC | CCGTTTTTTTG | GCCTACGGGA | TGGTGCATAC | AGAGAACATT | CCAATTATGC |
| | 57781 | AATGGATCGT | TTTCACCAGT | TTGAGGGTTA | TAGACAAAAG | GATCTTGACA | CTAGAGCATT |
| 15 | 57841 | ACTGGAACCT | GCAGCGCGGA | ACTTTTTTAGT | CACGCCTCAT | TTAACGGTTG | GTTGGAACCT |
| | 57901 | GAAGCCAAAA | CGAACGGAAG | TTTGTTTCGCT | TGTCAGGTGG | CGTGAGGTTG | AAGACGTAGT |
| | 57961 | TCGCGATGAG | TATGCAACACA | ATTTTCGCTT | TACAATGAAA | ACACTTTCTA | CCACGTTTAT |
| | 58021 | AAGTGAAACA | AACGAGTTTA | ATCTTAACCA | AATCCATCTC | AGTCAATGTG | TAAAGGAGGA |
| | 58081 | AGCCCGGGCT | ATTATTAACC | GGATCTATAC | AACCAGATAC | AACTCATCTC | ATGTTAGAAC |
| 20 | 58141 | CGGGGATATC | CAGACCTACC | TTGCCAGAGG | GGGGTTTGTT | GTGGTGTTC | AACCCCTGCT |
| | 58201 | GAGCAATTCC | CTCGCCCGTC | TCTATCTCCA | AGAATTGGTC | CGTGAAAACA | CTAATCATTC |
| | 58261 | ACCACAAAAA | CACCCGACTC | GAAATACCAG | ATCCCGACGA | AGCGTGCCAG | TTGAGTTGCG |
| | 58321 | TGCCAATAGA | ACAATAACAA | CCACCTCATC | GGTGGAATTT | GCTATGCTCC | AGTTTACATA |
| | 58381 | TGACCACATT | CAAGAGCATG | TTAATGAAAT | GTTGGCACGT | ATCTCCTCGT | CGTGGTGCCA |
| 25 | 58441 | GATACAAAAA | CGCGAACGCG | CCCTTTGGAG | CGGACTATTT | CCAATTAAAC | CAAGTGCTTT |
| | 58501 | AGCGAGCACC | ATTTTGGATC | AACGTGTTAA | AGCTCGTATT | CTCGGCGACG | TTATCTCCGT |
| | 58561 | TTCTAATTGT | CCAGAACTGG | GATCAGATAC | ACGCATTATA | CTTCAAAACT | CTATGAGGGT |
| | 58621 | ATCTGGTAGT | ACTACGCGTT | GTTATAGCCG | TCCTTTAATT | TCAATAGTTA | GTTTAAATGG |
| | 58681 | GTCCGGGACG | GTGGAGGGCC | AGCTTGGAAC | AGATAACGAG | TTAATTATGT | CCAGAGATCT |
| 30 | 58741 | GTTAGAACCA | TGCGTGGCTA | ATCACAAGCG | ATATTTTCTA | TTTGGGCATC | ACTACGTATA |
| | 58801 | TTATGAGGAT | TATCGTTACG | TCCGTGAAAT | CGCAGTCCAT | GATGTGGGAA | TGATTAGCAC |
| | 58861 | TTACGTAGAT | TTAAACTTAA | CACTTCTTAA | AGATAGAGAG | TTTATGCCGC | TGCAAGTATA |
| | 58921 | TACAAGAGAC | GAGCTGCGGG | ATACAGGATT | ACTAGACTAC | AGTGAAATTC | AACGCCGAAA |
| | 58981 | TCAAATGCAT | TCGCTGCGTT | TTTATGACAT | AGACAAGGTT | GTGCAATATG | ATAGCGGAAC |
| 35 | 59041 | GGCCATTATG | CAGGGCATGG | CTCAGTTTTT | CCAGGGACTT | GGGACCGCGG | GCCAGGCCGT |
| | 59101 | TGGACATGTG | GTTCTTGGGG | CCACGGGAGC | GCTGCTTTCC | ACCGTACACG | GATTTACCAC |
| | 59161 | GTTTTTATCT | AACCCATTTG | GGGCATTGGC | CGTGGGATTA | TTGGTTTTGG | CGGGACTGGT |
| | 59221 | AGCGGCCTTT | TTTGCGTACC | GGTACGTGCT | TAAACTTAAA | ACAAGCCCGA | TGAAGGCATT |
| | 59281 | ATATCCACTC | ACAACCAAGG | GGTTAAAACA | GTTACCGGAA | GGAATGGATC | CCTTTGCCGA |
| 40 | 59341 | GAAACCCAAC | GCTACTGATA | CCCCAATAGA | AGAAATTGGC | GACTCACAAA | ACACTGAACC |
| | 59401 | GTCGGTAAAT | AGCGGGTTTG | ATCCCGATAA | ATTTTCGAGAA | GCCCAGGAAA | TGATTAAATA |
| | 59461 | TATGACGTTA | GTATCTGCGG | CTGAGCGCCA | AGAATCTAAA | GCCCAGGAAA | AAAATAAGAC |
| | 59521 | TAGCGCCCTT | TTAACTTCAC | GTCTTACCGG | CCTTGCTTTA | CGAAATCGCC | GAGGATACTC |
| | 59581 | CCGTGTTTCG | ACCGAGAATG | TAACGGGGGT | GTAAATAGCC | AGGGGGTTTTG | TTTTAATTTA |
| 45 | 59641 | TTAATAAAAA | TGTGTATTAC | GTTACTCATG | TGTCTCCATT | ACGCATCACA | GGGGGTATTT |
| | 59701 | ATACCCGATA | ATATACAAAA | CGCGTTTTGT | ACCTCTACCG | CACCCGATAT | CTTAACGGGG |
| | 59761 | TTATTATGGA | ATCGTCTAAC | ATTAACGCGC | TACAACAACC | GTCGTCTATC | GCACATCATC |
| | 59821 | CGTCCAAACA | GTGCGCTTCA | AGTCTCAATG | AAACAGTAAA | AGATTCTCCC | CCCGCGATTT |
| | 59881 | ATGAAGATAG | GTTAGAACAC | ACGCCGGTAC | AATTACCCCG | CGACGGTACA | CCCCGAGACG |
| 50 | 59941 | TATGTTCTGT | GGGACAGCTA | ACCTGTGCGAG | CATGTGCAAC | GAAACCTTTT | CGCCTTAACC |
| | 60001 | GCGACAGCCA | ATACGACTAC | TTAAACACAT | GTTCCAGGGG | CCGTTCATAT | TCATCGGCAC |
| | 60061 | TGGAGATTAT | AACGGGTCGA | TGGGTTTGCA | TCCCGCGTGT | GTTTCGGGAT | ACCCGAGAGG |
| | 60121 | AAAAATGGAT | GGCGCCATAT | ATTATTCCAG | ACCGAGAACA | ACCATCATCA | GGGGATGAAG |
| | 60181 | ATTCTGACAC | CGATTAAATT | TAACCTAAAT | AAAACCTTAC | CACCCATAAA | AACGCCTTCT |
| 55 | 60241 | GTTTGTTTAA | CACGACACCG | CTTAACAAAA | AAAAAAAAC | CAAACACGCC | TTTTATGAAT |
| | 60301 | GTAATACTTT | TATTTGTTGG | TTAACACCGC | CCCACCATCA | TCTGATTTGC | AAACATATCG |
| | 60361 | GCGTCGTCTG | CCGTGGACCC | CTGTATTAAA | GGGGCCTTGG | AAC'TCGCCTC | CACTGCATTT |
| | 60421 | ACATCTTGTC | CAACTGTATC | TGTATGTGGG | GTGCTTGTTG | TATTTTGGGA | TGAGCATAGA |
| | 60481 | CCCGAAACGC | TTTGAAGCTG | TTTTAATAAA | ATCGATATTC | GAGGATCCCG | TGTCCCTCT |

| | | | | | | | |
|----|-------|------------|-------------|-------------|------------|------------|------------|
| | 60541 | GGTATATTTG | TATGGTGCGA | CAAAGGCATT | TGTGTCCCAT | TTTGTGATTT | TAGCTCTGTA |
| | 60601 | ACCTCCTGTT | GCAGTTTTGC | CACAACCCCA | GCAAGCTCTT | CGTGTGACC | ATTAGAACT |
| | 60661 | CTGTGTCTCC | TCTGCCAATA | TGATGGAGAA | ACTCGACGTC | TCCGATGCGT | TATATACGTT |
| 5 | 60721 | GGTTCACCGG | GAAAATATAT | ATTTGAGGGA | AACTCTCCGT | CCATTTGAGA | CTCCCCACTA |
| | 60781 | TAAAAAGAAT | CCAATTCCT | TTGATCCATG | CTCTTGAAAT | CCCGTTTTC | TGGACGACGG |
| | 60841 | ACATCGGTTT | TGTCTGGAAA | ATTTACACAC | GGGGTCTGCA | AGTCAATACC | CCGTTCCGGC |
| | 60901 | GCCAATGCGT | TCATAAATGC | GGACATTTGC | ATTTCCAAAC | GATTGGGTGG | TGGATATCCC |
| | 60961 | GGAAACCCGT | ACGGTCCCC | GAAGTGTC | GGAGGGCAAC | CATAACCC | TGTATTAGGT |
| 10 | 61021 | GGGAAGGCAG | GCGGGTGTGG | AGATCCATAT | GGCCCGACGA | TATACTGTCC | GTTATTTGGA |
| | 61081 | GCTCCAATTG | ATACCTGCGG | ATTTTGTAGTC | TGCCCGGTTA | ACAGCTGTGA | ATAATACGCG |
| | 61141 | GTAGGTATCA | GTACAAATTC | CCCTCCGGTT | GGAACGCCCG | ACGGGGGCTG | TGGTGAGATA |
| | 61201 | TTACTAGCGT | TACCTGCTAC | AGAAGCCATA | TCGCTGTCTG | TCCTACACAA | CTGCGTAACC |
| | 61261 | TTTAAATGCG | GAACAGTCTT | TTTACAATCT | TCATTTGATT | CCCCAACACC | CAACGCGAGA |
| 15 | 61321 | TCGTATATGG | GCCCGCCGGG | GTGGAATGTG | GCGTTTATAA | CACCCGCGTT | GGGTAATTTA |
| | 61381 | GACTCCACCC | CATTAACGTT | GGTTATCCGA | GCAAGTCCAT | ATCCGGTGCT | AGCCTGAAGA |
| | 61441 | TAAACGTGAC | CCATAATTC | GGCTTCGCGT | CTACGTTTGT | CAACCACGTC | CCATCTATCT |
| | 61501 | CTTAAAGCA | TATTGTTTAC | TGCTGTGGAT | AATAACACCT | TGGCGAGTTT | ATCTTCGCTA |
| | 61561 | ACCTTCCATA | CTTTATTTAA | ACCCGCGTAG | TCTTTAACCA | GCGACAATAA | CCGCGCTTTA |
| 20 | 61621 | CTTTCCATCG | ATAAAACCCG | GAATGGTTCA | ATTGAAGATT | CCGGGGTACA | GTCATAATTG |
| | 61681 | ACCACTGTTC | CAACGCGTCT | TCCAACAACA | CATAACGCAA | CATGGGTAAA | AAAATTACCG |
| | 61741 | TCTGGTATCT | CATTCGGGGA | CAATCGTTTT | GAAGACAGGG | ATACGGAGGG | TAAGTAATTT |
| | 61801 | GTGACCAAGT | ATAACGCACG | TTCTAGCGGA | GATAATACAG | AATCTCTATT | TCCAAAAAAA |
| | 61861 | TTCGAATGGG | CCGCTTCAAA | CAGCACCGCA | TGTAGTTGAG | GGCATCTAAC | GATACCCAAA |
| 25 | 61921 | AAAAAAGGTC | CGCGTATGTC | CTCAATGATT | GCGATTACTT | CACCCACGAC | ACAGTCTTTT |
| | 61981 | CGATGATCGA | TGTTTATTGG | TATTTTACTA | GTAGGCGGCA | AAGCGGACCG | CACAATCTCT |
| | 62041 | GGGGTAATAT | TTAATTTCCC | TTCTGCTCTT | GAATATAAGG | CTAAATACCC | AGCCACGTAT |
| | 62101 | AACGCTTCAC | AGTTCTCTTC | GTCAGCTTCA | GCAGCCATTA | TAAACACCCC | ACGGACCGGA |
| | 62161 | TAGTGAATAC | TCACGGTGTG | GAGGCAAAC | GAGGAATGAC | ACCCAAACAG | ACAAAATATA |
| 30 | 62221 | GAAGATCATA | GTCACGTGTA | ACGTTGAACT | GCGCAAGGCG | GCGACTTTCT | TCCAATGCCG |
| | 62281 | CCCTTACACG | CGGTTGGTGC | ATTAACATTC | CAAGTCCCCG | TTCATATTGC | AACATAACAC |
| | 62341 | TGTCATGTAT | TGATACCACG | GCGGCTATGG | GTAGGGATGT | AACATTTTGT | CGGCGGTGTT |
| | 62401 | CTAATTCCAA | TGCAATTAAG | CTTATGAGCC | GATCTTGGTA | CTGTCCAGAA | GAAATATCTA |
| | 62461 | TTACGGTTCT | TCCTAAACTT | CCACGACTAA | GCTGGGTATG | CGCGTCTAAA | CAAAGAGCAA |
| | 62521 | CTAATCCAGG | AAACATTTCA | GTCAGCTCTG | TGGTCCGATT | TAACGTATAC | AGTGGTGCTA |
| 35 | 62581 | TATATCGTTC | ACATAAAAAAT | TGAAAGTTAT | TATTACCGCT | TTTAAACTTC | CCATCAAAAC |
| | 62641 | CCGTCGCTCC | GCGCAAGATT | ACATTGTTGG | TAGGGGTTCC | TGTTGCTTCT | GACACAATCA |
| | 62701 | AACCCAGTTG | AAAATTATTT | TTTAGTTTAT | CTCCGTATAC | GTTCCCGTTC | CATAATAAGC |
| | 62761 | GCCTTAATAA | TAATAACGCC | GTAATCGTGT | CAATTGTTAA | CCTTAATAGA | GTTTGGTCTT |
| 40 | 62821 | CCATAAGAAA | CACGTTTTTG | GCCCGTTCTA | AATACGCCGC | GGCCGCCTGT | TGAATCTTGT |
| | 62881 | CCACATATGC | GGTATGATTG | CGATCAATAA | TGTCATTAAC | CCCAGGATTA | AACTGTCCAG |
| | 62941 | GTGCAGGCGG | TAGGACCTGC | AACCGTATAA | GCGCATCCAT | AACAGAATGT | GACGTTAAGG |
| | 63001 | CGCCTTGATC | ATACCGCCCC | CCACGAGCAT | GAAACTGGTC | GCGTGGTAGA | CGATCATAGC |
| | 63061 | AAAATTGATA | ACTGTTTTTA | TTTTCTGTGT | TTGTCTATTA | ATTCACAAAT | GTCTCAGTAT |
| 45 | 63121 | ATTCCGGTAG | GTGCTCTATA | AGGTTCCCGA | AGGACGAAAC | TTGAGGTTTC | TGGACACTAT |
| | 63181 | TAGATGTCCT | ATACATTAAA | TATAAACATA | ATACCGCACA | CTCGAACGCG | GAGTACGCTC |
| | 63241 | TATCTCCAAC | ATACATTCTC | CCGGCGGACT | GTAGACATGT | TACCGTTGTG | TTCATAAACG |
| | 63301 | TACGGGAAAT | GCGCCCGTCT | TTACAATCAA | CTCCGCGTGC | AGCTACGGGC | CTATCTAACA |
| | 63361 | CAAGCCGTTT | CTGCAGAGTA | CGATACCATG | GCCCCGAAAC | AATCCCTGGA | GAGTTATTGC |
| | 63421 | CCCTTGCCCT | TCCCAAGTAC | ACCAGGGTGA | TAAAATCCAC | TTGAAAGTTT | GTATCGTACT |
| 50 | 63481 | GCAACGGTGC | ATCATTTTTG | GCAATCTGTA | CCTCGGGGTG | TATAGACTCA | TTGCGTATTA |
| | 63541 | TTTCTGTACG | TGTACATTCC | TCAGATTGTG | CATCTGCTTC | TTCCGCCTCG | GCAGCAGCCG |
| | 63601 | TCTCCAGGGA | ATCCAAAACC | TTGGCCATGC | GCGTTAGTTG | TTCTTCGAGG | GGCTTTAAAC |
| | 63661 | GACGATCTAT | TTCCGTTGGT | AACGTAATCG | TTTCCCCGCG | AAGGTTGTCT | AATGCGGCAA |
| | 63721 | CGGCCGCCGC | ATTTTTTAAAC | GTAAACGTAT | TTTTTTCCAA | ATCGGGATTG | ATACGCCCTC |
| 55 | 63781 | TTAACTCAAA | CGCGGGAGCC | GTCCAGTAGT | GTATGGGGAA | GTTGGGGGCT | ATAAAGTTCT |
| | 63841 | TAGTGGTAGA | CAAAAATATC | CCACATTTAT | TCGGAAACGA | GATAGATCCG | AACCCATATC |
| | 63901 | TCGCCGTGAT | GGTGTCTGCA | GCAAACAAAG | TCAACTGGCG | TGAATATAAA | CCGGTACTGC |
| | 63961 | TTTAAAAGCT | GTTTTCTTAC | CCATGGGAAA | ACATCCCCGT | TATACTTTGT | AAAATTCCAC |
| | 64021 | CACAAGCACC | TAAAGAAGGC | CTTCTAAGGG | GTAAATCCAC | CCCACAAGCT | GCATTTCTT |

| | | | | | | | |
|----|-------|-------------|--------------|------------|-------------|-------------|------------|
| | 64081 | CAAAC TTTGT | TAAAGCGGAA | CGATGGCATG | ATTTTCGCACG | CTTTTTTCGCA | AGAGAACATA |
| | 64141 | CGTGAATTTT | CTTTTTGTCAT | AGACGTCTTC | GCTCTCTAAC | GGACCTTATC | GGGGGGGTAT |
| | 64201 | ATTCCGCTAC | ATTCTCCAAA | TGCGACGCTA | GCATAACAAG | GTTTCCATGA | ATCACCTTTG |
| 5 | 64261 | GGGGTAACCG | AGTTACCTGT | AACAGGTTCA | GACCCCGTTG | AGATACAAAC | ACAAGGAGGG |
| | 64321 | GGGTCAACAT | TATTTTCATCA | GATCCCGTGG | GTGTGGTTTC | CTTTATTAAA | GCCATGGTAT |
| | 64381 | CCCTCAGCTG | GCGCATACCC | TCGCAAAACT | GGTGATACTT | AGTAGGGGTA | TGTATATTAG |
| | 64441 | CGCTAAAACG | GCAAGATTTT | AATTCCACTA | TAAAACAAAC | GGTCTTTCCG | GCACCATCTG |
| | 64501 | ATTCCGTTTG | TATAATACAA | ACACAATCGG | GGCGTCGGCG | TCCCAAATTT | ACTTCAAACG |
| | 64561 | ACATTGATAT | GCGTACAGCC | CTTTGAACAT | CCACGTGGGA | TAACGGCGAC | AGGAGTTTTG |
| 10 | 64621 | CCAGCCTCGG | GTTGAACGCG | TCCGCGAAAC | CTCGACGTAC | GTTATCAATA | TCCTTTTTGA |
| | 64681 | GTACATCGTA | AAAACGAGTG | TGGCAACGTT | GTCCCAAACG | AAAACACTTG | GCCCGAATTC |
| | 64741 | GACTAGCGGA | CATATTTGAA | GTTCCGTCCC | AGAAGATAAC | CTAAGACGCG | TTTGTCTACA |
| | 64801 | ATAAACATGT | CAACGGATAA | AACCGATGTA | AAAATGGGCG | TTTTGCGTAT | TTATTTGGAC |
| | 64861 | GGGGCGTATG | GAATTGGAAA | AACAACCGCC | GCCGAAGAAT | TTTTACACCA | CTTTGCAATA |
| 15 | 64921 | ACACCAAACC | GGATCTTACT | CATTGGGGAG | CCCCTGTCGT | ATTGGCGTAA | CCTTGCAGGG |
| | 64981 | GAGGACGCCA | TTTGCGGAAT | TTACGGAACA | CAAACCTCGC | GTCTTAATGG | AGACGTTTCG |
| | 65041 | CCTGAAGACG | CACAACGCCCT | CACGGCTCAT | TTTCAGAGCC | TGTTCTGTTT | TCCGCATGCA |
| | 65101 | ATTATGCATG | CGAAAATCTC | GGCATTGATG | GACACAAAGTA | CATCGGATCT | CGTACAAGTA |
| | 65161 | AATAAGGAGC | CGTATAAAAT | TATGTTATCC | GACCGACACC | CAATCGCCTC | AACTATATGT |
| 20 | 65221 | TTTCCCTTGT | CCAGATACTT | AGTGGGAGAT | ATGTCCCCAG | CGGCGCTTCC | TGGGTTATTG |
| | 65281 | TTTACGCTTC | CCGCTGAACC | CCCCGGGACC | AACTTGGTAG | TTTGTACCGT | TTCACTCCCC |
| | 65341 | AGTCATTTAT | CCAGAGTAAG | CAAACGGGCC | AGACCGGGAG | AAACGGTTAA | TCTGCCGTTT |
| | 65401 | GTTATGGTTC | TGAGAAATGT | ATATATAATG | CTTATTAATA | CAATTATATT | TCTTAAAACT |
| | 65461 | AACAACGGC | ACGCGGGCTG | GAACACACTG | TCATTTTGTA | ATGATGTATT | TAAACAGAAA |
| 25 | 65521 | TTACAAAAAT | CCGAGTGTAT | AAAACACTCG | GAAGTACCTG | GGATTGAAGA | CACGTTATTC |
| | 65581 | GCCGTGCTTA | AAC T TCCGGA | GCTTTGCGGA | GAGTTTGGA | ATATTCTGCC | GTTATGGGCA |
| | 65641 | TGGGGAATGG | AGACCCTTTC | AAACTGCTCA | CGAAGCATGT | CTCCGTTCTG | ATTATCGTTA |
| | 65701 | GAACAGACAC | CCCAGCATGC | GGCACAAGAA | CTAAAACTC | TGCTACCCCA | GATGACCCCG |
| | 65761 | GCAAACATGT | CCTCCGGTGC | ATGGAATATA | TTGAAAGAGC | TTGTTAATGC | CGTTCAGGAC |
| 30 | 65821 | AACACTTCCT | AAATATACCT | AGTATTTACG | TATGTACCAG | TAAAAAGATG | ATACACATTG |
| | 65881 | TCATACTCGC | GTGTACGTGT | TTTTCTTTTT | TATATATGCG | TCATTTATTA | CCACATCCCT |
| | 65941 | TAATCCCGCC | TTTATCTCCC | TAAAACGGAG | TGGTAATATT | AAAAGCCGCC | AAGCCTGTTG |
| | 66001 | GTGGGTGAGG | AGGGGTAAAG | GCACGCTGTG | TGCATAACGT | TGCGGTGATA | TTGTAGCGCA |
| 35 | 66061 | AGTAACAGCG | ACTATGTTTG | CGCTAGTTTT | AGCGGTGGTA | ATTCTTCCCT | TTTGGACCAC |
| | 66121 | GGCTAATAAA | TCTTACGTAA | CACCAACCCC | TGCGACTCGC | TCTATCGGAC | ATATGTCTGC |
| | 66181 | TCTTCTACGA | GAATATTCCG | ACCGTAATAT | GTCTCTGAAA | TTAGAAGCCT | TTTATCCTAC |
| | 66241 | TGGTTTCGAT | GAAGAACTCA | TTAATCACT | TCACTGGGGA | AATGATAGAA | AACACGTTTT |
| | 66301 | CTTGTTTATT | GTTAAGGTTA | ACCCTACAAC | ACACGAAGGA | GACGTCGGGC | TGGTTATATT |
| | 66361 | TCCAAAATAC | TTGTTATCGC | CATACCATT | CAAAGCAGAA | CATCGAGCAC | CGTTTCCTGC |
| 40 | 66421 | TGGACGTTTT | GGATTTCTTA | GTCACCCTGT | GACACCCGAC | GTGAGCTTCT | TTGACAGTTC |
| | 66481 | GTTTGCGCCG | TATTTAACTA | CGCAACATCT | TGTTGCGTTT | ACTACGTTCC | CACCAAACCC |
| | 66541 | CCTTGTATGG | CATTTGGAAA | GAGCTGAGAC | CGCAGCAACT | GCAGAAAGGC | CGTTTGGGGT |
| | 66601 | AAGTCTTTTA | CCCGCTCGCC | CAACAGTCCC | CAAGAATACT | ATTCTGGAAC | ATAAAGCGCA |
| | 66661 | TTTTGCTACA | TGGGATGCCC | TTGCCCGACA | TACTTTTTTT | TCTGCCGAAG | CAATTATCAC |
| 45 | 66721 | CAACTCAACG | TTGAGAATAC | ACGTTCCCTT | TTTTGGGTCG | GTATGGCCAA | TTCGATACTG |
| | 66781 | GGCCACCGGT | TCGGTGCCTC | TCACAAGCGA | CTCGGGTCGT | GTGGAAGTAA | ATATTGGTGT |
| | 66841 | AGGATTTATG | AGCTCGCTCA | TTTCTTTATC | CTCTGGACCA | CCGATAGAAT | TAATTGTTGT |
| | 66901 | ACCACATACA | GTAAAAC TGA | ACGCGGTTAC | AAGCGACACC | ACATGGTTCC | AGCTAAATCC |
| | 66961 | ACCGGGTCCG | GATCCGGGGC | CATCTTATCG | AGTTTATTTA | CTTGGACGTG | GGTTGGATAT |
| 50 | 67021 | GAATTTTTCA | AAGCATGCTA | CGGTGATAT | ATGCGCATAT | CCCGAAGAGA | GTTTGGATTA |
| | 67081 | CCGCTATCAT | TTATCCATGG | CCCACAGGGA | GGCTCTGCGG | ATGACAACGA | AGGCGGATCA |
| | 67141 | ACATGACATA | AACGAGGAAA | GCTATTACCA | TATCGCCGCA | AGAATAGCCA | CATCAATTTT |
| | 67201 | TGCGTTGTCT | GAAATGGGCC | GTACCACAGA | ATATTTTCTG | TTAGATGAGA | TCGTAGATGT |
| | 67261 | TCAGTATCAA | TTAAAATTCC | TTAATTACAT | TTTAATGCGG | ATAGGAGCAG | GAGCTCATCC |
| 55 | 67321 | CAACACTATA | TCCGGAACCT | CGGATCTGAT | CTTTGCCGAT | CCATCGCAGC | TTCATGACGA |
| | 67381 | ACTTTCACTT | CTTTTTGGTC | AGGTAAAACC | CGCAAATGTC | GATTATTTTA | TTTCATATGA |
| | 67441 | TGAAGCCCGT | GATCAACTAA | AGACCGCATA | CGCGCTTTCC | CGTGGTCAAG | ACCATGTGAA |
| | 67501 | TGCACTTTCT | CTCGCCAGGC | GTGTTATAAT | GAGCATATAC | AAGGGGCTGC | TTGTGAAGCA |
| | 67561 | AAATTTAAAT | GCTACAGAGA | GGCAGGCTTT | ATTTTTTGCC | TCAATGATTT | TATTAAATTT |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|------------|-------------|-------------|
| | 67621 | CCGCGAAGGA | CTAGAAAATT | CATCTCGGGT | ATTAGACGGT | CGCACAACTT | TGCTTTTAAT |
| | 67681 | GACATCCATG | TGTACGGCAG | CTCACGCCAC | GCAAGCAGCA | CTTAACATAC | AAGAAGGCCT |
| | 67741 | GGCATACTTA | AATCCTTCAA | AACACATGTT | TACAATACCA | AACGTATACA | GTCCTTGTAT |
| 5 | 67801 | GGGTTCCTT | CGTACAGACC | TCACGGAAGA | GATTCATGTT | ATGAATCTCC | TGTCGGCAAT |
| | 67861 | ACCAACACGC | CCAGGACTTA | ACGAGGTATT | GCATACCCAA | CTAGACGAAT | CTGAAATATT |
| | 67921 | CGACGCGGCA | TTTAAAACCA | TGATGATTTT | TACCACATGG | ACTGCCAAAG | ATTTGCATAT |
| | 67981 | ACTCCACACC | CATGTACCAG | AAGTATTTAC | GTGTCAAGAT | GCAGCCGCGC | GTAACGGAGA |
| | 68041 | ATATGTGCTC | ATTCTTCCAG | CTGTCCAGGG | ACACAGTTAT | GTGATTACAC | GAAACAAACC |
| 10 | 68101 | TCAAAGGGGT | TTGGTATATT | CCCTGGCAGA | TGTGGATGTA | TATAACCCCA | TATCCGTTGT |
| | 68161 | TTATTTAAGC | AGGGATACTT | GCGTGTCTGA | ACATGGTGTC | ATAGAGACGG | TCGCACTGCC |
| | 68221 | CCATCCGGAC | AATTTAAAAG | AATGTTTGTA | TTGCGGAAGT | GTTTTTCTTA | GGTATCTAAC |
| | 68281 | CACGGGGGCG | ATTATGGATA | TAATTATTAT | TGACAGCAAA | GATACAGAAC | GACAACTAGC |
| | 68341 | CGCTATGGGA | AACTCCACAA | TTCACCCCTT | CAATCCAGAC | ATGCACGGGG | ATGACTCTAA |
| 15 | 68401 | GGCTGTGTTG | TTGTTTTCCAA | ACGGAAC'TGT | GGTAACGCTT | CTAGGATTCTG | AACGACGACA |
| | 68461 | AGCCATACGA | ATGTCGGGAC | AATACCTTGG | GGCCTCTTTA | GGAGGGGCGT | TTCTGGCGGT |
| | 68521 | AGTGGGGTTT | GGTATTATCG | GATGGATGTT | ATGTGGAAAT | TCCCGCCTTC | GAGAATATAA |
| | 68581 | TAAAATACCT | CTGACATAAA | AAACATGTAT | AATAAAAAGT | CACATATAAC | GTATTCTCTA |
| | 68641 | CAATACCTTTA | TTTCGGAATA | ATACACACTA | CCTTTGGGTT | TTTTTCCCGT | CCCCAAATGG |
| | 68701 | TGTTTGGTGC | ACTCTACCAA | AAAATAGAGC | GCCTAAATAT | GCTATATAAC | GCCTCCAGC |
| 20 | 68761 | AAAATACGGT | TCAAAGGCAT | TACCCGATAT | TGTATTGTAG | TACAGGGCAA | TGGGAATTGA |
| | 68821 | TGATCCCAAT | AAACGGCATA | GACGCACAGC | GCCGTTATAG | CAGGGGTCTC | CAGAGTACAG |
| | 68881 | GGTATCTAAG | TACCGGGATA | TCTCATACTC | ATGCCTTTCC | GTGACAGAAA | CATCAACCGG |
| | 68941 | AACAGTATCC | GATAAAACCA | CTCCTGTTTT | TGCAAGGCGT | AAAATTCGCA | CACCTTCCTT |
| 25 | 69001 | TTTTGCAAGA | TGTGACGTTT | CCTTGTAACA | GGGAAGCTGG | GGGAGTGTTA | AGAACAACAA |
| | 69061 | AGTTTCAGCC | AACGTGCCAA | TAAAGCCCA | TTCCCTCAAG | AGGCTGTTTG | CTGTATCCAC |
| | 69121 | AATGGTCCGT | ATTAAATCTT | GAGCAACTTG | ATCCGTGTCA | TCATCACTGG | TGATCCGCTT |
| | 69181 | AACATAACTA | CGCGTTAAAT | CCTCAATAAC | GGCATAACAA | TTAAACGCTT | CCCACCGAGA |
| | 69241 | CAGTATATAT | TGAACAATCA | CGAACCGTTG | ACAGGACGTC | AGATCACGTC | CGTAAGCATG |
| | 69301 | CCCGAAAAAT | GGAAGTTCCC | CCCGTTCGCC | ATATACCGCA | ACAACTGCAG | TATATATCGT |
| 30 | 69361 | CTCACGGGCT | TCATTAAGTT | CATCTTCAAG | TCCAGGCCAT | TTTCTGGCTT | TAAATATAAC |
| | 69421 | CTCGTCCGCA | AAAAAAACCG | CACATGATAA | CGCGCGGATA | CAATGAGTAG | TGGCTTTATG |
| | 69481 | GCGAGGATCC | CAAATGTCCA | TTACCCGGGG | GATGGTCCTA | ATCTGTACAA | AGTTACTTAG |
| | 69541 | TGTAATATGA | TCGGACTTCT | TACGCCGTCT | AGGCTGTTTC | TCAGAATACG | GTTTACCCGA |
| | 69601 | AATCGGCACA | TCATCTGCTT | TTACGTCTTC | CGTAACCACA | TCAGCAGCGC | GCCGACCTAA |
| 35 | 69661 | AATTATACTT | GTTTTTTCAT | CGTCGTTACT | TCCGTTAAGC | GCGTCTCGTA | TCTCGGGCGT |
| | 69721 | CCCGTCGAAT | AATCCACTCA | CTAGCTCCTG | CAAACCTTCT | GGTAAC'TCCA | ACATACGCAT |
| | 69781 | ATACACCAAT | GAAAAACTGG | CTTCGTTTGG | TACGTACATA | AAGCCATTTG | TGGTATTAAT |
| | 69841 | GGCGGTGGGT | GTTGGAAACA | ATTTTAGCTT | ATTCTCGCGC | GTAACATCTA | CCCCCGCCAC |
| 40 | 69901 | CAATGTTHAA | TGCGTCACGG | GGAGGGACAC | GAGATAATCT | GCGAGCGTAG | GGTCCTCCAC |
| | 69961 | TTCAACATCA | AATGTTCCGC | AAAGGTCGCG | ATCCACCGCC | CCCGATCCCG | CTGCAAGTAA |
| | 70021 | GGCCACTCGA | TCCAAAAACA | CGCAGTTATT | ATTGGATGAT | ACCGCCCATG | TCTTCCCGGT |
| | 70081 | GCGATTGAGC | TCACTTCGAA | CGTAACCTGG | AACAGATCTG | TCACCGGGTC | CGACCCCGCG |
| | 70141 | AACAACATGT | CCAAATTTTG | CGATCTCGCC | TCCATGTTTG | CGGGGTATGG | AAATTAGACA |
| 45 | 70201 | TCCCCCGCAT | ATAAAATACG | CCCTGGTAGC | ACGCTCGTTA | AAATAAAACG | TTACGCGGTT |
| | 70261 | ATAAGATACG | GTTGAATGAT | ATGGAAATTC | CATATTAAAG | CGTTTATCGG | AACATTAACC |
| | 70321 | TCGAACCTTG | CGTCCCGTGA | TCGTGTGATC | GCCAACTTAA | GGTCCACACC | GAATATGAGA |
| | 70381 | AATATATAAC | TACACGCAAA | CATTCAAAC | ACCGTGGTAT | CATTAACGTC | ATATGAAAAG |
| | 70441 | ATCCAATCAA | TCCAATCAAC | CACACCTCCT | ACCGTTTAGC | ACGTCAGCTA | TGTGACATGC |
| 50 | 70501 | TCCAAACATA | CGTAAACATT | TAGAGAGGGT | GTTATAACAG | TCTGTACAGC | GGGGTATATT |
| | 70561 | CTACATAATA | CAAGGATCGG | CTTTAACTTT | GTCAACATTT | TTACTTTGGA | CTATAAACTG |
| | 70621 | CGACTGAACG | TTATGAACCC | ACCCCAAGCC | CGCGTCTCGG | AACAGACAAA | GGACTTGCTT |
| | 70681 | AGCGTTATGG | TTAACCAGCA | CCCCGAAGAG | GACGCAAAAG | TGTGTAAATC | CAGTGATAAT |
| | 70741 | TCACCGCTTT | ATAACACCAT | GGTTATGTTA | TCGTATGGGG | GTGATACGGA | CTTACTATTA |
| | 70801 | AGCTCTGCAT | GTACCCGCAC | ATCTACCGTA | AACAGGTCGG | CGTTTACGCA | ACACTCCGTG |
| 55 | 70861 | TTTTTATATTA | TATCCACGGT | GTTGATTCAA | CCAATATGTT | GTATCTTCTT | TTTTTTTTTAC |
| | 70921 | TATAAAGCGA | CACGCTGTAT | GCTCTTATTC | ACAGCCGGGT | TACTTCTGAC | GATTCTACAT |
| | 70981 | CACCTTTCGAC | TTATTATTAT | GTTATTGTGT | GTCTACAGAA | ATATACGATC | AGACCTGCTA |
| | 71041 | CCCTTATCTA | CATCCCAGCA | ACTGCTGCTT | GGAATTATTG | TTGTGACTCG | AACAATGCTA |
| | 71101 | TTTTGTATTA | CGGCGTATTA | TACTCTTTTT | ATAGACACCC | GGGTGTTCTT | TTTGATTACC |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|------------|
| | 71161 | GGACACTTGC | AAAGTGAGGT | TATTTTTTCCA | GATAGCGTTT | CAAAAATACT | TCCTGTGTCG |
| | 71221 | TGGGGTCCAA | GTCCAGCCGT | GTTACTGGTA | ATGGCGGCAG | TTATTTACGC | TATGGACTGT |
| | 71281 | TTGGTGGACA | CGGTATCCTT | TATTGGGCCA | AGGGTGTGGG | TCCGTGTTAT | GTTAAAAACA |
| 5 | 71341 | TCTATTTTCGT | T'TTAGTCCAT | TTCAATAAAT | GTACTATAAT | TGTTTCAGTCT | AAAAATAATG |
| | 71401 | TTGGGTATTT | ATAATTACCG | CCCCCGTGT | ACTTGGAAC | ACCCATACAT | ATGTTCCACT |
| | 71461 | CTACATCAAA | CTTCTCGCAG | TTTTCTTGTT | CCCGCACACG | TTTACACGTC | CGGATTCAAG |
| | 71521 | TCGCAACGCT | GCTGACAAA | TGACAACGGT | TTCATGTCCC | GCTAACGTGA | TTACTACAAC |
| | 71581 | GGAATCTGAT | CGTATTGCTG | GGTTATTTAA | CATCCCAGCG | GGGATCATTC | CAACTGGAAA |
| 10 | 71641 | TGTGCTGTCA | ACCATAGAGG | TGTGTGCACA | CCGTTGCATT | TTTGATTTTT | TTAAACAAAT |
| | 71701 | ACGATCAGAT | GATAACAGCC | TTTACTCGGC | TCAATTTCGAT | ATTCTTTTGG | GGACATACTG |
| | 71761 | CAATACATTA | AAC'TTTGTGC | GTTTCTAGA | ACTTGGAAGT | TCTGTGCTT | GCATCTGTAC |
| | 71821 | TAAATTTCCG | GAGCTGGCTT | ACGTGCGAGA | TGGCGTTATT | CAATTTGAGG | TACAACAACC |
| | 71881 | CATGATAGCA | CGTGATGGCC | CACATCCCGT | CGATCAGCCT | GTTTCATAAT | ATATGGTTAA |
| | 71941 | GCGGATACAC | AAGCGTTCGT | TAAGCGCTGC | GTTTGCAATT | GCATCGGAAG | CGTTGAGTTT |
| 15 | 72001 | GTTAAGTAAC | ACATATGTCG | ATGGGACAGA | GATTGACTCA | TCGTTACGTA | TAAGAGCTAT |
| | 72061 | CCAACAGATG | GCTCGTAATT | TACGCACCGT | TTTGGAAGT | TTTGAACGAG | GCATCGCCGA |
| | 72121 | TCAACTTCTT | GGTGTCTAT | TGGAGAAAGC | CCCACCGCTA | TCGCTGCTTT | CACCAATTAA |
| | 72181 | TAAATTCCAA | CCCGAGGGAC | ATCTAAATCG | TGTTGCACGC | GCGGCCCTAC | TTTCGGACCT |
| | 72241 | CAAACGTAGA | GTCTGTGCGG | ATATGTTTTT | TATGACCCGA | CACGCCAGGG | AACCTAGGCT |
| 20 | 72301 | GATCTCTGCG | TATCTGTGCG | ATATGGTTTC | GTGCACCCAA | CCATCGGTGA | TGGTATCACG |
| | 72361 | AATAACTCAT | ACAAACACTC | GCGGACGGCA | GGTTGACGGT | GTGTTGGTAA | CAACAGCAAC |
| | 72421 | CTTAAAACGG | CAACTATTAC | AGGGAATTTT | ACAAATTGAC | GACACCGCCG | CTGACGTACC |
| | 72481 | AGTAACATAT | GGCGAAATGG | TTCTACAGGG | GACAAACTTG | GTAACCGCCC | TTGTGATGGG |
| | 72541 | AAAGGCCGTC | CGCGGAATGG | ATGATGTAGC | CCGCCATCTC | CTTGATATAA | CCGACCCTAA |
| 25 | 72601 | CACGTTAAAC | ATACCGTCTA | TACCCCAACA | ATCCAACCTC | GATTCAACGA | CAGTGGGGCT |
| | 72661 | TCCGGTTAAC | GCCCGTGTTT | CTGCGGATTT | AGTGATTGTT | GGGGATAAAC | TTGTATTCTT |
| | 72721 | AGAAGCATTA | GAACGGCGGG | TCTACCAAGC | TACGCGCGTT | GCCTACCCTC | TTATTGGAAA |
| | 72781 | TATAGATATT | ACGTTTATCA | TGCCAATGGG | AGTGTTTCAG | GCAAACCTCA | TGGACAGATA |
| | 72841 | TACACGACAC | GCCGGCGATT | TTTCAACTGT | ATCCGAACAG | GATCCACGTC | AATTTCCACC |
| 30 | 72901 | CCAAGGGATT | TTTTTTTTATA | ATAAAGATGG | GATATTAACA | CAGTTGACTC | TTGCTGATGC |
| | 72961 | AATGGGTACC | ATCTGCCACA | GTTTCATTGCT | TGATGTGCGG | GCCACACTTG | TTGCCCTCCG |
| | 73021 | CCAACAACAT | TTAGATCGTC | AGTGTTATTT | TGGTGTATAC | GTGGCCGAGG | GTACAGAGGA |
| | 73081 | CACATTGGAT | GTTCAAATGG | GGAGGTTTAT | GGAAACGTGG | GCAGATATGA | TGCCTCATCA |
| | 73141 | CCCTCATTGG | GTAACGAAC | ATTTAACAAT | TCTACAGTTT | ATAGATCCGA | GCAACCCGCG |
| 35 | 73201 | TCTAAGGTTT | GAATTAAACC | CCGCCTTTGA | TTTTTTTGT | GCACCGGGGG | ACGTAGACCT |
| | 73261 | TCCCGGACCG | CAGCGTCCCC | CGGAAGCCAT | GCCAACCGTT | AACGCAACAT | TACGGATTAT |
| | 73321 | CAACGGAAAC | ATTCCCCTGC | CTCTATGTCC | CATTTTCATTT | CGAGACTGTC | GCGGAACCCA |
| | 73381 | ACTCGGTTTG | GGAAGACATA | CAATGACCCC | GGCAACCATT | AAAGCCGTAA | AGGATACATT |
| | 73441 | TGAAGACCGC | GCATACCCAA | CTATTTTCTA | CATGCTAGAG | GCTGTTATTC | ATGGAAACGA |
| 40 | 73501 | AAGAAACTTC | TGTGCGTTAC | TGCGACTGTT | AACACAGTGT | ATTGCGGGGT | ATTGGGAGCA |
| | 73561 | ATCCCACAGG | GTGGCATTTC | TAAATAACTT | TCACATGTTA | ATGTACATAA | CTACATATCT |
| | 73621 | CGGAAACGGT | GAGCTTCCCG | AAGTCTGTAT | TAATATATAT | CGGGATTATC | TGCAGCATGT |
| | 73681 | AAGAGCATTA | CGCCAAACTA | TAACCGATTT | TACAATACAA | GGAGAGGGCC | ATAACGGCGA |
| | 73741 | GACCTCGGAA | GCGCTAAATA | ACATCCTTAC | GGATGACACG | TTTATTGCAC | CTATTCTATG |
| 45 | 73801 | GGATTGTGAT | GCGTTAATAT | ACCGTGATGA | AGCCGCCCCG | GACCGACTCC | CCGCAATTCC |
| | 73861 | TGTAAGCGGG | CGAAACGGAT | ACCAAGCCCT | TCACTTTGTG | GATATGGCCG | GGCATAACTT |
| | 73921 | CCAACGACGC | GATAATGTGT | TAATCCACGG | GAGACCCGTT | CGGGGAGACA | CGGGTCAGGG |
| | 73981 | TATTCCTCAT | ACTCCACACC | ATGACCGTGA | ATGGGGTATT | CTCTCCAAGA | TTTACTACTA |
| | 74041 | TATTGTCATT | CCTGCATTTT | CCCGCGGTTT | CTGTTGTACA | ATGGGCGTGC | GTTATGATCG |
| 50 | 74101 | CCTATACCTT | GCGTTACAGG | CAGTTATCGT | TCCGGAAATT | CCCGCTGATG | AAGAAGCCCC |
| | 74161 | AACATACCCA | GAAGATCCAA | GACACCTCTT | TCACGCACAC | CAACTCGTTT | CGAAGCTCTT |
| | 74221 | TAACGTTTAC | TTCCATAATG | CACACCTAAC | CGTTGATGGT | GATGCTATTG | TCACACTACA |
| | 74281 | AGAGTTAATG | GGAGATATGG | CTGAACGAAC | GACGGCCATT | T'TAGTATCAA | GCGCCCCCGA |
| | 74341 | TGCGGGAGCC | GCCACGGCAA | CAACCAGAAA | TATGAGAATA | TATGACGGAG | CGCTTTACCA |
| 55 | 74401 | TGGCCTTATT | ATGATGGCAT | ATCAGGCGTA | CGATGAAACC | ATTGCAACGG | GTACTTTTTT |
| | 74461 | T'TATCCCGTT | CCGGTCAACC | CTCTGTTTGC | ATGTCCGGAA | CATTTGGCAT | CATTGCGTGG |
| | 74521 | AATGACAAAT | GCTAGGCGGG | TTTTGGCAAA | AATGGTACCA | CCAATCCCTC | CTTTTCTGGG |
| | 74581 | AGCCAACCAC | CACGCAACTA | TACGCCAACC | CGTTGCCTAC | CATGTAACGC | ATAGTAAGTC |
| | 74641 | GGATTTTAAT | ACTCTTACAT | ATTCTCTTCT | TGGAGGGTAT | TTTAAGTTTA | CACCAATATC |

| | | | | | | | |
|----|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 74701 | TCTTACACAT | CAACTACGAA | CGGGATTTC | CCCCGGGATT | GCCTTTACCG | TAGTGCGCCA |
| | 74761 | GGATCGCTTT | GCCACAGAGC | AACTTTTATA | TGCCGAGCGT | GCTTCTGAAT | CGTACTTTGT |
| | 74821 | CGGACAAATC | CAAGTACACC | ATCATGATGC | TATTGGGGGG | GTAAACTTTA | CCCTAACCCA |
| | 74881 | ACCCAGAGCT | CACGTGGACC | TGGGAGTCGG | GTATACAGCT | GTATGTGCCA | CAGCAGCCCT |
| 5 | 74941 | GCGATGCCCT | CTCACGGATA | TGGGCAATAC | TGCCCAAAAT | CTTTTTTTTT | CACGAGGAGG |
| | 75001 | AGTGCCAATG | TTACATGATA | ACGTTACCGA | ATCGTTGCGT | CGTATAACAG | CATCGGGGGG |
| | 75061 | TCGCTTAAAT | CCCACCGAAC | CCCTACCCAT | CTTCGGCGGA | CTACGTCTTG | CTACATCGGC |
| | 75121 | AGGAATTGCA | CGAGGGCAAG | CCTCTGTGTG | TGAGTTTGTG | GCCATGCCGG | TGTCCACTGA |
| | 75181 | CCTACAATAT | TTTAGAACTG | CATGCAATCC | TAGAGGTCGA | GCATCTGGAA | TGTTATATAT |
| 10 | 75241 | GGGTGACCGT | GACGCCGACA | TAGAGGCTAT | AATGTTTGAT | CACACACAAT | CGGATGTTGC |
| | 75301 | TTATACAGAT | CGAGCAACTC | TTAACCCATG | GGCATCACAA | AAACATTTCAT | ACGGTGACAG |
| | 75361 | GCTATACAAC | GGAACATACA | ACCTTACAGG | CGCTTCTCCT | ATCTACAGCC | CATGCTTTAA |
| | 75421 | GTTTTTTTACA | CCAGCGGAGG | TTAACACTAA | TTGTAATACA | CTGGATCGGC | TTCTAATGGA |
| | 75481 | GGCAAAGGCT | GTGGCGTCGC | AAAGCTCCAC | CGACACTGAA | TATCAATTTA | AACGCCCTCC |
| 15 | 75541 | CGGTTCTACC | GAAATGACAC | AGGATCCGTG | TGGCCTTTTT | CAAGAAGCAT | ATCCACCAC |
| | 75601 | ATGCTCAAGC | GATGCGGCCA | TGTTACGAAC | GGCTCACGCG | GGAGAAACCG | GGGCAGATGA |
| | 75661 | AGTTCACCTA | GCCCAATATC | TGATTCGAGA | CGCGTCGCCC | CTTAGGGGAT | GTCTTCCTCT |
| | 75721 | TCCGCGATAA | TTTACCACAG | CCCACATACC | CACTCCCAAT | AAAAGCCCTG | TAGAGCGCAT |
| | 75781 | TGGCATCTTA | CTTGAGATTT | GGATACGCTC | GGCCGACTTG | GTCTGTTTCA | CGCTTCCTTA |
| 20 | 75841 | AACAACATGG | CTATGCCATT | TGAGATAGAG | GTATTGTTAC | CAGGAGAACT | ATCCCCGGCG |
| | 75901 | GAAACATCTG | CATTACAGAA | ATGTGAGGGA | AAAATTATTA | CCTTCTCAAC | CCTGCGTCAT |
| | 75961 | CGAGCTTCAC | TGGTGGATAT | AGCGCTGTCG | TCATATTACA | TTAACGGTGC | TCCACCAGAC |
| | 76021 | ACGCTCTCGC | TGTTAGAGGC | ATACCGAATG | CGATTGCGCG | CAGTTATAAC | ACGGGTGCATC |
| | 76081 | CCGGGAAAGT | TGTTGGCGCA | TGCCATTGGC | GTGGGTACTC | CTACACCCGG | GTGTTTATT |
| 25 | 76141 | CAAAATACAT | CCCCCGTTGA | TCTTTGTAAT | GGCGATTACA | TCTGCTTACT | TCTCCGGTT |
| | 76201 | TTCCGGTCCG | CAGACTCAAT | TCGCTTGGAC | TCTGTAGGAC | TGGAAATTGT | TTTCCCTTTA |
| | 76261 | ACCATCCCCC | AGACCTTAAT | GCGAGAAATC | ATCGCCAAAG | TGGTTGCACG | GGCCGTTGAG |
| | 76321 | CGCACGGCCG | CGGGTGCTCA | AATTTTACCC | CACGAAGTTC | TACGAGGCGC | GGATGTCATT |
| | 76381 | TGTTACAATG | GAAGGCGTTA | TGAACCTGAA | ACAAATTTAC | AACATCGGGA | CGGATCGGAT |
| 30 | 76441 | GCGGCTATT | GCACATTGGT | TTTAAATCTA | ATGTTTTTCCA | TAAACGAGGG | ATGCTGCTT |
| | 76501 | TTATTGGCGC | TGATTCCAAC | TTTGTTAGTC | CAAGGAGCAC | ACGACGGTTA | TGTAAATTTA |
| | 76561 | TTGATACAAA | CGGCCAATTG | CGTTAGAGAA | ACCGGCCAGT | TAATTAATAT | ACCGCCAATG |
| | 76621 | CCGCGGATTC | AAGACGGCCA | TCGCCGATTT | CCCATATATG | AACTATTTTC | ATCTTGGATA |
| | 76681 | TCAACATCAT | CTAGACTGGG | GGATACCTTG | GGAACCTCGC | CAATTTTACG | CGTCTGTGTG |
| 35 | 76741 | TTTGATGGAC | CCTCTACTGT | TCATCCGGGA | GACCGCACGG | CCGTGATTCA | AGTGTAACA |
| | 76801 | GGTGTTAATA | AAAACACAAC | CAGTCTAGTT | ACATTTTCACG | CGTCTTGT | TTATTTAATA |
| | 76861 | GGCATAAACA | CGGAATCCGG | TATACATGAA | CTGCCAATAT | ACACGGACAT | AATTAATGCA |
| | 76921 | ACCATCAGAT | CATCTGACAT | TGTTCCCGTG | GTACCTTTAC | CCGTGTAAGT | TTTTGTGTCT |
| | 76981 | AGATTACCCA | TACCGCCTTT | AATTACCTCT | GTCAGGTTAT | CCAAGTGT | ACATAGATAC |
| 40 | 77041 | TCCACGGGGT | CTACACCTAA | CTTTACTGTT | AGGGATACAA | GCTCCTGTGA | GGCTATTATA |
| | 77101 | TTTCCGGAGT | TAAATCGTTT | AACAAAATAG | TCTACGGCCG | GCGTTTTTTG | TTTTTGTAA |
| | 77161 | AAAAAAAAG | GGTACGCCAC | GCTACATCCG | GGAGGTATGG | AATGATAAAA | CAGTAACACT |
| | 77221 | GGAGCGGAAG | ATAGCACGTT | TCCCTTTTTCG | AGGACAGCAA | ACTGTTGTGC | TATAGCCAAC |
| | 77281 | GATATGGCAA | CTGCAGAAATC | CTGGCTGCTG | TTTCCCTCTA | TAGAAAACGTG | TACGTTTGTA |
| 45 | 77341 | AATGTATTGG | GGTGTAAGC | GAGTATGTGG | CCTAAGCATT | GAGTAACGCA | ACGCCCTATC |
| | 77401 | TCACGTGAAG | ACGTGCCAGT | TAAAGCTCTA | AGAAAAAAGT | GCTCCAATCC | AAATATAATC |
| | 77461 | CAATCCGACT | TATAACGACC | AACAATCGCT | ACACCAGTAC | CAGACGCTCG | TGTATTTGAG |
| | 77521 | GTAAATGCAG | GGTCTACGTA | AACGTACAAC | ACTGACGATA | ATATAGCACA | ATTCGCAACG |
| | 77581 | GTTGACGGCC | GATATAAAAT | AAACCTCTCA | CGGGCAGTTT | TTGTAAATAA | TGGCCGGTCA |
| 50 | 77641 | AACCCACAC | CCCCAGAATT | CTGTTTACG | CCACCTACAA | TTTCTGTCAC | GAAGGAGTCG |
| | 77701 | GCCATAAATA | AATCTGCAGT | GCGCCGATG | GCTCCATCCA | TTGTGATGAA | AACCGGCTTA |
| | 77761 | TTTAATACAT | AACACGAACA | AGCTGTGACA | TCGCTATGTG | CTAAAAACACG | CGGCATGTGA |
| | 77821 | TCGTCGCATA | CATATGTAAC | AACGTTTAAC | AACTGATCCG | ACGATCCACG | TAAGTTATAC |
| | 77881 | AAAAAACTTG | TACTTGCTTT | TCCGGTATTT | GTTGATGAAA | CAAAAAATAAT | TTTACAATTG |
| 55 | 77941 | GT'TTGATTTA | AAAATCCGAC | TATAGTTTGT | ACAGCATCAG | GTCGAATAAA | ATTAGCTTCA |
| | 78001 | TCCACAAACA | GAAGATTAAA | ATCTTGACCT | CGGATACCC | GGAACGATAG | AAAGATATAT |
| | 78061 | AGTTACCCCA | CCAAAGTTTA | AATGTATCCT | TAAATACCAC | GTACGTAAAA | AATGTTTGAA |
| | 78121 | TACGTACATA | TTTCTTTTTT | TTTTCCAGTA | CAACCATATC | CGGTGTATAA | TGGAAGCCCA |
| | 78181 | TTTGCAAAT | GAAACCAAAC | ATGCACTTTG | GCATAATGAT | CACACAAAAG | GATTACTACA |

| | | | | | | | |
|----|-------|-------------|------------|-------------|------------|-------------|-------------|
| | 78241 | CGTTGTGATA | CCTAACGCGG | GGCTTATTGC | GGCCGGAATA | GATCCCGCAT | TACTGATTTT |
| | 78301 | AAAGAAACCC | GGACAACGCT | TCAAGGTTGA | AGTACAAACA | AGATATCATG | CTACAGGTCA |
| | 78361 | ATGCGAACCG | TGGTGTCAAG | TTTTCGCCGC | GTACATTCCC | GATAACGCCT | TAACAAATCT |
| 5 | 78421 | CTTAATAACCA | AAAACGGAAC | CATTTGTTTC | ACACGTTTTT | TCGGCCACGC | ATAATTCAGG |
| | 78481 | GGGATTGATT | TTATCATTGC | CTGTTTATCT | TAGCCCCGGT | TTATTCTTTG | ATGCATTTAA |
| | 78541 | CGTTGTAGCG | ATACGAATAA | ATACTGGAAA | CCGCAAGCAC | CGTGATATTT | GTATTATGTA |
| | 78601 | TGCAGAACTA | ATCCCAAACG | GAACGCGTTA | TTTTGCTGAT | GGACAACGGG | TACTTTTATT |
| | 78661 | ATGCAAACAG | CTGATTGCGT | ATATCCGATG | CACCCCTCGT | CTTGCACTCGT | CTATAAAAAAT |
| 10 | 78721 | ATACGCAGAG | CATATGGTGG | CAGCCATGGG | TGAATCACAC | ACGTCAAATG | GGGACAATAT |
| | 78781 | TGGACCCGTT | TCATCCATAA | TCGATCTTGA | TCGACAGTTA | ACTTCTGGAG | GTATTGATGA |
| | 78841 | CTCCCTTGCT | GAAACACGCA | TACAGGAAAA | TAATCGGGAC | GTCCTTGAGC | TAATAAAACG |
| | 78901 | GGCCGTAAAC | ATTGTTAAC | CCAGGCACCC | CGTCCGACCT | TCTAGTTCCC | GCGTTGCATC |
| | 78961 | TGGGTGCTT | CAAAGTGCAA | AGGGCCACGG | AGCGCAAAC | TCCAACACAG | ATCCGATCAA |
| 15 | 79021 | TAACGGTTCC | TTTGATGGCG | TCCTTGAGCC | GCCTGGACAA | GGGCGATTTA | CGGGAAAGAA |
| | 79081 | AAACAATTTC | TCCGCCAGCA | TCCCACCTTT | ACAAGACGTT | CTATTGTTTA | CCCCAGCTTC |
| | 79141 | GACAGAACCC | CAAAGTCTTA | TGGAATGGTT | CGACATCTGT | TATGCCCAAT | TAGTTAGCGG |
| | 79201 | GGACACTCCA | GCAGATTTCT | GGAAACGGCG | TCCCCTATCA | ATTGTACCGC | GACATTACGC |
| | 79261 | AGAATCCCCC | AGTCCGTTGA | TTGTAGTATC | TTACAACGGA | TCCTCTGCCT | GGGGAGGACG |
| | 79321 | TATTACCGGA | AGTCCAATTT | TATATCACTC | TGCACAGGCT | ATTATTGATG | CTGCGTGTAT |
| 20 | 79381 | AAATGCCCGG | GTTGACAATC | CCCAAAGCCT | ACATGTGACA | GCTCGCCAAG | AGCTAGTCGC |
| | 79441 | GCGTTTACCG | TTTTTGGCTA | ACGTCTTAAA | TAATCAAACC | CCCTTACCCG | CCTTTAAACC |
| | 79501 | AGGCGCCGAA | ATGTTTTTAA | ACCAGGTATT | TAAACAAGCG | TGTGTGACAT | CGCTAACCCA |
| | 79561 | AGGTCTTATA | ACGGAGTTAC | AAACGAACCC | GACTCTACAA | CAACTCATGG | AATATGATAT |
| | 79621 | TGCAGATTCT | TCCCAAACGG | TTATTGATGA | AATTGTAGCC | CGCACACCAG | ACCTGATTCA |
| 25 | 79681 | GACTATAGTT | TCGGTGTTAA | CGGAAATGTC | AATGGATGCG | TTTTATAACA | GCTCCTTGAT |
| | 79741 | GTATGCGGTT | TTGGCGTATC | TGTCATCTGT | ATATACACGA | CCACAAGGTG | GGGGGTATAT |
| | 79801 | ACCTTACCTT | CACGCTTCCT | TCCCATGCTG | GTTAGGTAAT | CGTTCATAT | ATTTATTTGA |
| | 79861 | CTATTATAAT | TCAGGAGGGG | AAATACTTAA | GCTTTCCAAG | GTCCCCGTTT | CCGTAGCCTT |
| | 79921 | AGAAAAGGTT | GGTATTGGTA | ATTCCACACA | ACTGAGGGGT | AAATTTATAC | GCAGCGCGGA |
| 30 | 79981 | TATTGTTGAT | ATTGGAATTT | GTTCTAAGTA | TTTACCCGGT | CAATGTTACG | CGTACATTTG |
| | 80041 | TCTAGGATTT | AACCAGCAAT | TACAATCCAT | TTTAGTTTTA | CCGGGGGGAT | TTGCGGCATG |
| | 80101 | TTTTTGTATT | ACCGATACCC | TACAGGCAGC | ACTACCTGCA | TCGTTAATCG | GACCTATTCT |
| | 80161 | AGACAGATTC | TGCTTCTCTA | TTCCCAACCC | CCATAAATAA | ATTAGTGTC | CTATAAAAA |
| | 80221 | ATAACACCAG | AATCTCTTCA | TATGTAAATTT | CTGTCATTTT | CTCCCGTTTC | CACCCCTCT |
| 35 | 80281 | TAAAATATAA | AATAACCGGG | TGGGTGGCAT | TAAACCCACA | AGTACCCGGG | CGGCAATCCG |
| | 80341 | CTAGACTGTT | TTTCTGCTCA | TGGAATTACA | ACGCATATTT | CCGCTGTACA | CCGCTACGGG |
| | 80401 | TGCAGCGCGC | AAATTAACCC | CCGAGGCAGT | TCAGAGACTC | TGCGATGCAT | TAACGCTGGA |
| | 80461 | TATGGGATTA | TGGAAGTCCA | TCCTGACCGA | TCCCCGGGTG | AAAATAATGC | GATCAACTGC |
| | 80521 | TTTTATAACT | TTAAGGATCG | CTCCGTTTAT | CCCCCTTCAA | ACGGATACTA | CTAATATTGC |
| 40 | 80581 | CGTTGTTGTA | GCCACAATTT | ACATCACGCG | CCCACGTCAG | ATGAACCTAC | CTCCGAAGAC |
| | 80641 | TTTTTCATGTA | ATTGTAAAT | TTAATTACGA | GGTCTCGTAC | GCAATGACGG | CGACTTTAAG |
| | 80701 | AATTTATCCG | GTTGAAAACA | TAGACCATGT | TTTTGGAGCA | ACGTTTAAAG | ACCCGATCGC |
| | 80761 | GTACCCCTTT | CCAACATCTA | TTCCGGATCC | TCGAGCAGAT | CCCACCCCGG | CAGACTTTAC |
| | 80821 | ACCAACGCCA | AACTTAAGCA | ACTACTTACA | ACCCCGCGGG | CTTCCGAAAA | ATCCATACGC |
| 45 | 80881 | ATGTAAAGTT | ATTTCTCCGG | GAGTGTGGTG | GTCAGACGAA | CGAAGGCGTT | TATATGTACT |
| | 80941 | GGCTATGGAA | CCTAATTTAA | TAGGGCTATG | TCCCGCCGGA | TGGCATGCTC | GGATACTTGG |
| | 81001 | CTCTGTATTA | AATCGACTCC | TCAGCCATGC | GGACGGATGT | GATGAATGTA | ATCATAGAGT |
| | 81061 | TCACGTGGGG | GCACTGTATG | CGTTACCCCA | TGTCACAAAT | CATGCGGAAG | GTTGTGTGTG |
| 50 | 81121 | TTGGGCTCCG | TGTATGTGGA | GAAAGGCCGG | TCAGCGGGAA | TTAAAAGTGG | AGGTAGACAT |
| | 81181 | TGGCGCCACG | CAGGTTCTTT | TTGTAGATGT | CACCACCTGC | ATTCTGAATTA | CGAGTACTAA |
| | 81241 | AAATCCTCGC | ATTACCGCAA | ATCTTGGGCA | CGTTATAGCG | GGAACCAACG | CCAGTGGTCT |
| | 81301 | CTCTGTACCA | GTAAATTCAT | CTGGGTGGCA | GCTTTATATG | TTTGGAGAAA | TAATAAGCCG |
| | 81361 | GGCTATTATT | AACGGCTGTG | GTCGTCTTCA | GCGAATTTGC | TTCCCCGAGA | CACAAAGATT |
| | 81421 | ATCGGGTGAA | CCGGAACCTA | CAACCACCTA | GTATACCTTA | ACTCAACCGC | CGTTGTGGAA |
| 55 | 81481 | AGGTATATGT | CAACATTTAC | AGTAATATAT | TAAAGGTTAA | ATTTATAAAA | CACTCACGTT |
| | 81541 | TGTGTTGTGA | CTTGACGCGA | ACACCGCTGT | GCTGTAAGAC | CCGTCCGTAA | ATGAAAACGT |
| | 81601 | AATAGATTCT | CCTTTTACAT | GATCCACGTA | ATTTGCCCCA | AACCACTGTT | CCAGGCGAGA |
| | 81661 | CTTGATACCC | TCAAACACGG | GTTCCGTTGC | TTTGCGTATA | TGAGCCGTAT | AACCACTTTT |
| | 81721 | AATTCCTCTA | AACGTGGCCA | TTACTAAAGC | TATTAATGGT | ACAAGAAACC | ATGTTTTCCC |

| | | | | | | | |
|----|-------|------------|-------------|-------------|-------------|------------|-------------|
| | 81781 | ATGTCTACGT | GGTACCAAAA | ACACAGTTGA | TTTTTGTTTG | AAGTGTTCTA | AAACACTGTC |
| | 81841 | AGAAACACTT | GGCGTGTTAA | ACACTGTACG | CAGAAAGCAG | TCAACTCTGT | CGGCATGATC |
| | 81901 | GCCCAATAGC | ACCGATGAAA | TAAATGCGT | GGTGTGCATG | AGGATCATT | TTTGAAACAG |
| 5 | 81961 | TTCCAACGTC | CCCTTATATC | TGCCATAGAT | TGGAACGTCA | ACCTTTGCGC | GTTTGCCATG |
| | 82021 | ACTTCCACAC | TCTTCAATAC | TCTCAAAAGA | TGTTTCCACA | AGGTACGAAA | ACCGTTGTGT |
| | 82081 | AAAGGTAGAC | AACTGACAGA | AACTATCCGA | CAGAGAAAAC | GCGCGAAATG | TGTTCATAAC |
| | 82141 | ACCGCTATAC | GCATTTTCGAT | GAGGTGCTGC | TTCTTCCGGT | GAATATTCAT | AAAACGTGAC |
| | 82201 | ACTACTGACA | GCCTTTTTTA | ATTCAGGGCT | TACGTTTGCA | TTTACCGAAT | ATCGCCATGG |
| | 82261 | TTTCAAAACT | ACATTGGGGG | TACAGTTGTA | CCCTGTTGAC | GATAGAAACG | CGCCAAACAT |
| 10 | 82321 | TGCCCCGTCG | GCAGTAGCCG | AGAACAGTGG | AATATATTCA | CAACAGTTGT | GAAGCGTTCC |
| | 82381 | AATTCGGGA | ATAACGGCCT | GATGACGTCG | GGTTACATCT | ATAGCAAAAT | TCAGAAACGG |
| | 82441 | GATTTGGGTT | GCGTTTCCCA | GAGACCCTTG | CCGCGTGGAA | CACGGGGTAG | GGGACTCCAA |
| | 82501 | CGTCCCAAAG | CGTTCATCCC | TACGACGCTT | TAGACGTTCA | AAATATCTTA | CAGATTCTTC |
| | 82561 | ACCAAGCGTA | CGACCAAACA | TTATCAATGA | CATTTAACAT | CAATTCACGG | AATCCGCCTC |
| 15 | 82621 | ATCTCTTGTA | AGCAGTAAAA | CAGGAAGCCG | CGTCATCTTA | CGTACTCGTT | ACGTATATAT |
| | 82681 | CATAAACATT | TTTCAGGGCCG | CATTTCATTA | CTTTGGTTCAT | GTCAGGCCAC | ACTCCAACCT |
| | 82741 | ACGCTTCTCA | TAGGCGTAAC | CGTGTCAAAC | TAGTTGAGGC | GCATAACCGC | GCGGGGTTAT |
| | 82801 | TTAAAGAACG | GACCCCTCGAT | CTAATCCGTG | GGGGTGCGAG | TGTACAAGAT | CCAGCATTTG |
| | 82861 | TGTATGCCTT | TACTGCTGCA | AAAGAGGCCCT | GCGCCGATTT | AAATAACCAG | CTCCGCTCTG |
| 20 | 82921 | CAGCTCGCAT | AGCTTCAGTT | GAACAGAAGA | TTCGTGATAT | ACAATCCAAG | GTTGAGGAAC |
| | 82981 | AAACAAGTAT | TCAACAGATT | TTAAATACAA | ACAGACGCTA | TATAGCACCC | GATTTTATTC |
| | 83041 | GCGGTTTGGA | TAAACAGAA | GACGATAATA | CCGATAATAT | AGACAGACTG | GAAGACGCGG |
| | 83101 | TAGGACCGAA | CATCGAACAC | GAAAATCATA | CTTGGTTTGG | AGAAGACGAC | GAAGCGTTAC |
| | 83161 | TTACACAATG | GATGCTGACG | ACACACCCCC | CAACCTCCAA | ATATCTCCAA | CTGCAGGACC |
| 25 | 83221 | TTTGCGTTCC | CACCACAATA | CCGACGGACA | TGAACCAAAT | GCAACCGCAG | CCGATCAGCA |
| | 83281 | AGAACGAGAA | TCCACCAACC | CCACACACGG | ATGTGTAAAT | CATCCATGGG | CCAATCCGTC |
| | 83341 | AACTGCAACA | TGCATGGAAT | CACCAGAACG | ATCACAACAG | ACAAGCTTAT | TTTTATTAAA |
| | 83401 | GCACGGCTTA | ACGAGAGATC | CAATACATCA | ACGCGAAAGG | GTGGACGTTT | TTCCACAATT |
| | 83461 | TAACAAACCC | CCATGGGTTT | TTAGAATTTT | CAAATTATCC | CGTTTAATTG | TACCCATCTT |
| 30 | 83521 | CACGCTCAAT | GAACAGTTAT | GTTTTTCTAA | ATTACAGATT | CGAGATAGAC | CCAGGTTTGC |
| | 83581 | GGGACGGGGA | ACGTATGGGC | GTGTTTCATAT | ATACCCATCG | TCAAAAATAG | CTGTAAAAAC |
| | 83641 | CATGGACAGT | CGTGTTTTTA | ATAGAGAGTT | AATTAACGCG | ATTTTAGCGA | GTGAGGGTTC |
| | 83701 | TATACGAGCA | GGGGAAAGGC | TAGGTATTTT | TAGCATAGTT | TGCCTTTTAG | GTTTTTCGTT |
| | 83761 | ACAAACCAAA | CAGCTACTGT | TTCCGGCATA | CGACATGGAT | ATGGATGAAT | ACATTGTTTCG |
| 35 | 83821 | CTGTCCAGA | CGGTTGACAA | TACCTGATCA | CATAGACAGA | AAAATTGCC | ATGTATTTTT |
| | 83881 | AGATTTGGCT | CAAGCGTTGA | CGTTTTTAAA | TCGAACGTGC | GGCCTGACCC | ACCTAGATGT |
| | 83941 | GAAATGTGGC | AATATTTTTT | TTAACGTCGA | CAACTTTGCC | TCGTTGGAAA | TAACCACAGC |
| | 84001 | AGTAATCGGA | GACTATAGCC | TAGTAACATT | AAATACGTAT | TCCCTTTGTA | CTCGAGCGAT |
| | 84061 | ATTTGAAGTT | GGAAATCCAT | CCCACCCGGA | GCACGTACTA | CGCGTACCCC | GGGATGCATC |
| 40 | 84121 | GCAGATGTCA | TTTCGTTTGG | TGTTGAGTCA | TGGAACAAAC | CAACCCCTG | AAATCTTGCT |
| | 84181 | TGATTATATT | AATGGAACGG | GCCTTACTAA | ATATACTGGA | ACCTTGCCCC | AAAGAGTTGG |
| | 84241 | ACTTGCGATT | GATCTTTATG | CATTGGGCCA | AGCACTCTTA | GAAGTTATCC | TGCTAGGACG |
| | 84301 | TCTTCCCGGA | CAACTGCCCA | TTTCAGTACA | TCGGACCCCG | CATTATACAT | ACTACGGTCA |
| 45 | 84361 | TAAGTTATCA | CCAGATTTGG | CGCTTGATAC | GCTGGCATAT | CGATGTGTCC | TGGCGCCATA |
| | 84421 | TATACTCCCA | TCTGACATCC | CCGGGGACTT | AAATTATAAT | CCCTTTATAC | ACGCCGGAGA |
| | 84481 | GCTGAACACC | CGTATTTCCC | GGAATTCTTT | ACGCCGGATA | TTCCAGTGTC | ACGCAGTGCG |
| | 84541 | TTACGGCGTA | ACGCACTCAA | AGCTTTTCGA | AGGCATACGC | ATTCCGGCCT | CATTATACCC |
| | 84601 | AGCCACTGTT | GTTACATCGT | TGTTGTGTCA | CGATAATTCA | GAAATACGCT | CGGATCACCC |
| | 84661 | TTTATTATGG | CACGATCGGG | ATTGGATAGG | ATCGACATAA | GCCCCAGCC | AGCCAAAAAA |
| 50 | 84721 | ATTGCCCGTG | TGGGAGGTCT | ACAGCACCCCT | TTTGTA AAAA | CGGATATTAA | CACGATTAAC |
| | 84781 | GTTGAACACC | ATTTTATAGA | CACGCTACAG | AAGACATCAC | CGAACATGGA | CTGTCGCGGG |
| | 84841 | ATGACAGCGG | GTATTTTTAT | TCGTTTATCC | CACATGTATA | AAATTCTAAC | AACTCTGGAG |
| | 84901 | TCTCCAAATG | ATGTAACCTA | CACAACACCC | GGTTCTACCA | ACGCACTGTT | CTTTAAGACG |
| | 84961 | TCCACACAGC | CTCAGGAGCC | GCGTCCGGAA | GAGTTAGCAT | CCAAATTAAC | CCAAGACGAC |
| 55 | 85021 | ATTAAACGTA | TTCTATTAAAC | AATAGAATCG | GAGACTCGTG | GTCAGGGCGA | CAATGCCATT |
| | 85081 | TGGACACTAC | TCAGACGAAA | TTTAATCACC | GCATCAACTC | TTAAATGGAG | TGTATCTGGA |
| | 85141 | CCCGTCATTC | CACCTCAGTG | GTTTTACCAC | CATAACACTA | CAGACACATA | CGGTGATGCG |
| | 85201 | GCGGCAATGG | CGTTTGGAAA | AACCAACGAA | CCGGCGGCAC | GAGCGATAGT | TGAAGCATTG |
| | 85261 | TTTATAGATC | CGGCTGATAT | CCGTACTCCT | GATCATTTAA | CGCCAGAAGC | TACAATAAG |

| | | | | | | | |
|----|-------|------------|-------------|------------|-------------|------------|-------------|
| | 85321 | TTTTTTAATT | TTGACATGCT | CAATACCAAA | TCTCCAAGTC | TCCTTGTGGG | TACACCAAGA |
| | 85381 | ATCGGAACGT | ATGAATGTGG | ACTTTTAATC | GACGTTTCGAA | CGGGACTTAT | AGGCGCGTCG |
| | 85441 | TTGGACGTTT | TTGTATGTGA | CAGGGACCCT | TTAACTGGCA | CCCTAAATCC | CCACCCTGCA |
| 5 | 85501 | GAAACCGACA | TTTCATTTTT | TGAAATTAAA | TGTCGTGCTA | AATACCTCTT | TGATCCAGAT |
| | 85561 | GACAAAAATA | ACCCGCTCGG | TCGGACGTAC | ACCACGTTAA | TAAATAGACC | TACAATGGCA |
| | 85621 | AATCTACGGG | ACTTTTTTATA | TACTATAAAA | AACCCATGTG | TAAGCTTCTT | TGGACCCCTCA |
| | 85681 | GCAAAACCAA | GTACACGCGA | GGCCTTAATA | ACGGATCACG | TTGAATGGAA | ACGTTTAGGA |
| | 85741 | TTTAAAGGTG | GGAGGGCCCT | TACAGAACTC | GACGCCCATC | ATTTGGGCCT | CAATCGGACA |
| | 85801 | ATCTCATCCC | GAGTGTGGGT | ATTTAATGAT | CCGGACATAC | AAAAGGGGAC | AATTACAACC |
| 10 | 85861 | ATTGCATGGG | CCACTGGAGA | TACGGCTCTT | CAAATTCCTG | TATTTGCCAA | TCCGCGGCAC |
| | 85921 | GCTAACTTTA | AACAAATTGC | CGTACAAACC | TATGTATTAT | CCGGTTACTT | TCCAGCGCTA |
| | 85981 | AAACTACGGC | CCTTCCTTGT | CACCTTTATA | GGACGTGTGC | GCCGACCACA | CGAGGTGGGA |
| | 86041 | GTCCCATTTG | GCGTCGATAC | ACAAGCGGCT | GCCATTTACG | AATATAACTG | GCCGACTATC |
| 15 | 86101 | CCACCCCACT | GTGCGGTTCC | GGTTATAGCC | GTTCTAACGC | CTATCGAAGT | TGATGTGCCT |
| | 86161 | AGAGTGACAC | AAATACTTAA | AGACACAGGA | AACAACGCGA | TTACATCAGC | ATTGCGGTCA |
| | 86221 | TTGCGATGGG | ACAATCTTCA | TCCAGCGGTC | GAGGAGGAAT | CTGTGGATTG | TGCAAACGGT |
| | 86281 | ACAACGAGCT | TGTTACGTGC | AACGGAGAAA | CCGTTGCTTT | GAAGTCAGAG | TTCTTTGAAG |
| | 86341 | ACTTTGACTT | TGATGAGAAT | GTAACAGAGG | ACGCCGATAA | ATCCACACAA | CGCCGCCAC |
| | 86401 | GAGTGATCGA | TGTAACACCA | AAACGAAAAC | CTTCGGGAAA | GAGCTCCCAT | TCCAAATGCG |
| 20 | 86461 | CAAAATGTTA | AACCCTGATA | AACCCTGATA | AACGTTCTAA | TAAAAACATC | AAATCATGGT |
| | 86521 | TGGTTACTGT | GAATGTTTGT | TTTATTGCTT | GGGGGTTTAC | AAGTACAACC | CACGCTACTC |
| | 86581 | CCACCCACTG | TTTGATCGCT | CGTATAACAG | CTCATCCTCG | CGGTCCGTTT | CATATGTTGA |
| | 86641 | GTCATTTTCA | TAGACGTAGC | CGTAGCCTTG | TGATGGGTAA | TTTGTGCGGC | GAGAATTTCT |
| | 86701 | ATGTGCAGGT | TTTACTTTTC | GTATGTATCC | CCGTACCCGC | TCGGGTACTC | TTCTTACGGC |
| 25 | 86761 | ACCGTAGAAC | CGACTGCGTT | TCTGTCGATG | ATACACATAT | GCACGCATCA | ATCTGAGAAG |
| | 86821 | CAACATGACA | ACGGAATAAC | CGGCCAGGCA | AGCCAAGGTT | CCCCGAGTTG | TGGGAATTAA |
| | 86881 | CCGTGGAGAT | TGAACCGATA | TAGGGTCATA | TAATCGGTCC | ATATACGAGT | GCGCGGCGGT |
| | 86941 | TCCCAACGTA | GCACAGGCCA | CGAGCGTTCC | CAGGGACGGT | CCTATTAACA | CGTGTATATA |
| | 87001 | ATGCGCCAAA | ATTAATTCTG | ATACTATAAG | ATATACAAC | GACAATGTAC | TAAATGTAGA |
| 30 | 87061 | CATGGCCACG | GACACCGATG | ACCACAGTCC | CGTATGTAGA | TGATTCCGCA | CCACAAGTTC |
| | 87121 | CAGCATTAAT | GATACAAATA | GGATACATAT | CGCCATCAAC | GCAGCCATCA | AATTCACGAA |
| | 87181 | CACTGCGCGC | GTAGGCCCCG | CAAGGCGATA | TAAAAAGACG | CTCTGCTGTC | GTAAATTTGC |
| | 87241 | GACCGCTTTT | ATGTTCTGTT | CGTCCAATTT | TCCGCGTCCA | CAAAAATACG | TTGTAAATAT |
| | 87301 | TACACTTGTC | GCAAAATGTC | CAAGATATAA | TGTAGCAGCC | ACGCCGATTT | GCTTGTAGAG |
| 35 | 87361 | TAATAATAAC | ACAACGGCGT | TTAATAACCA | CAATGACAAA | AGACCCCAAA | AAAGTGTGTG |
| | 87421 | GGGATCTACA | ACTAACCATG | CAACACCGGA | GCTTTGCCGG | ACACGTTGAT | TTTTCGTTTC |
| | 87481 | TCGGTGTATA | ATCGCGGCCG | TGATCAGTGT | ATATACCGCC | ATGGCCATTG | CCGTTAAAGC |
| | 87541 | CGTGTAGTAA | GTAAATGCCA | CAACGCTATG | TGGTTCCAAA | AACAAAACCG | GGGCGCTGTA |
| | 87601 | TCCACCTCTA | TTTCCGGACC | ATACCCCCC | ATCTAGGGTG | GCGTTAAATA | ACTCATAATC |
| 40 | 87661 | AACTACGGCA | GCATAAAAAAC | AAGGGATCCC | GGTATATTCA | GAAGAGGCGG | CAATTAACGT |
| | 87721 | AGCCAGGAGC | ATTACCGCAC | CCAAAGTGAA | CATCATCACC | TGAATTATCC | AAATTCGCCA |
| | 87781 | ATTAAGCGTA | TCCATTTGAT | GATCTAACGC | TTCCACCTCG | GGTGTCTGG | TGTCGTACGG |
| | 87841 | CGAGACTTTT | TCAGAACGCG | GCCCCCTCTT | TTGAGTTCCC | ATGTCTCCCA | ACACCGGGA |
| | 87901 | GAGCAACGCC | GCCGTCTATG | CGTCCAGTAC | ACAGCTCGCG | CGGGCGTTAT | ATGGAGGGGA |
| 45 | 87961 | TCTGGTTTTC | TGGATTAAAC | ACACCCACCC | GGGAATTAGC | CTGGAAGTGC | AATTGGATGT |
| | 88021 | TCCAGTAAAA | CTAATAAAAC | CTGGTATGTC | ACAAACTCGC | CCGGTAACCG | TCGTACGTGC |
| | 88081 | CCCTATGGGC | TCTGGTAAAA | CAACAGCCTT | GCTTGAGTGG | CTTCAACACG | CGTTAAAGGC |
| | 88141 | AGATATTAGC | GTAATGGTTG | TCTCATGTGC | CCGTAGCTTT | ACCCAGACGT | TGATTCAACG |
| | 88201 | GTTTAACGAT | GCAGGCCTCT | CCGGATTTCG | AACATATTTG | ACATCCGAGA | CATATATTAT |
| 50 | 88261 | GGGTTTTTAA | CGTTTGTATT | TGCAACTTGA | AAGCCTACAC | CGCGTATCCA | GCGAAGCTAT |
| | 88321 | CGACAGCTAC | GACGTATTAA | TACTGGATGA | GTGATTTGAC | AATTATGGAC | AATTATACTC |
| | 88381 | CCCCACAATG | AGACGTCTTT | CCGCGGTTGA | TAGCCTATTA | TATCGTCTTT | TAAATCGCTG |
| | 88441 | TTCTCAAATT | ATCGCGATGG | ATGCTACAGT | AAACTCGCAG | TTTATTGATT | TAATCTCCGG |
| | 88501 | ATTGCGTGGA | GATGAAAACA | TACACACAAT | TGTGTGTACA | TACGCGGGAG | TTGGGTTCTC |
| 55 | 88561 | CGGAAGAACT | TGCACGATCC | TGCGTGATAT | GGGCATCGAC | ACGCTTGTGC | GAGTCATTAA |
| | 88621 | ACGATCTCCT | GAACACGAGG | ATGTACGTAC | CATACACCAA | CTACGTGGAA | CATTTTTTGA |
| | 88681 | CGAACTAGCA | CTACGATTAC | AATGTGGGCA | TAACATCTGT | ATATTTTCAT | CAACTTTATC |
| | 88741 | GTTTTCGGAG | CTAGTTGCTC | AGTTTTGTGC | AATATTTACA | GACTCTATTC | TTATTTTAAA |
| | 88801 | CTCAACTCGG | CCCCTATGTA | ATGTAAACGA | ATGGAAACAT | TTTCGCGTGT | TGGTGTACAC |

| | | | | | | | |
|----|-------|------------|-------------|-------------|------------|-------------|-------------|
| | 88861 | TACCGTCGTG | ACCGTTGGAT | TGAGTTTTGA | CATGGCTCAT | TTTCATAGCA | TGTTTGCTTA |
| | 88921 | CATAAAGCCA | ATGTCATATG | GGCCGGATAT | GGTATCGGTC | TACCAGTCAT | TAGGGCGTGT |
| | 88981 | ACGTTTATTG | CTACTTAATG | AAGTTTTGAT | GTACGTCGAT | GGCTCAAGGA | CCAGATGCGG |
| 5 | 89041 | ACCCCTGTTC | TCGCCAATGT | TACTAAACTT | TACCATCGCA | AATAAATTTT | AATGGTTTCC |
| | 89101 | TACACACACC | CAAATAACTA | ACAAACTGTG | CTGTGCATTT | AGGCAACGAT | GTGCAAATGC |
| | 89161 | ATTTACACGC | TCGAACACCC | ATCTCTTCTC | AAGATTTAAA | TACAAACACC | TTTTTCGAGAG |
| | 89221 | ATGCTCTCTT | TGGAGTTTAG | CCGATAGCAT | TAATATCTTA | CAAACCTCTT | TGGCCTCTAA |
| | 89281 | CCAAATTTTG | GTTGTATTGG | ATGGCATGGG | TCCAATAACG | GACGTTTCCC | CAGTTCAATT |
| 10 | 89341 | TTGTGTCATT | ATACACGATC | TCAGACATAG | CGCTAACGCC | GTAGCTTCCT | GTATGCGTTC |
| | 89401 | TCTTAGACAG | GACAATGACA | GCTGCTTGAC | CGATTTTGGC | CCTTCCGGAT | TTATGGCCGA |
| | 89461 | TAACATTACC | GCGTTTATGG | AAAAGTATCT | TATGGAGTCA | ATTAATACCG | AAGAACAAAT |
| | 89521 | TAAAGTATTT | AAAGCCCTTG | CATGTCCAAT | AGAACAGCCT | AGACTAGTCA | ATACGGCAAT |
| | 89581 | ATTGGGGGCG | TGTATACGAA | TACCTGAAGC | GTTGGAAGCA | TTTGACGTAT | TTCAAAAAAT |
| 15 | 89641 | ATACACGCAC | TACGCTTCCG | GTTGGTTTCC | CGTCTGGAC | AAAACCGGGG | AATTTAGCAT |
| | 89701 | CGCGACTATA | ACTACCGCCC | CAAATTTAAC | CACACATTGG | GAGCTGTTTC | GCCGTTGTGC |
| | 89761 | CTATATTGCA | AAAACACTCA | AGTGGAATCC | GTCCACCGAA | GGCTGTGTAA | CACAAGTTTT |
| | 89821 | GGATACGGAC | ATTAATACAC | TTTTCAATCA | ACACGGGGAT | TCGCTGGCTT | AACATAATTT |
| | 89881 | TGAGGTTATG | CGCTGTAACG | TTACTGACGC | TAAGATTATA | TTAAACCGCC | CGGTTTGGCG |
| 20 | 89941 | AACAACCGGA | TTCTTAGATG | GATGCCATAA | TCAATGCTTC | CGTCCAATCC | CTACAAAACA |
| | 90001 | CGAATATAAC | ATTGCTCTAT | TTCGTTTAAAT | TTGGGAACAA | TTATTTGGCG | CCCGCGTAAC |
| | 90061 | TAAAAGTACC | CAGACCTTTC | CGGGAAGTAC | TCGTGTGAAA | AACCTAAAAA | AAAAAGATCT |
| | 90121 | AGAAACTTTA | CTTGATTCAA | TTAACGTGGA | TCGTTCTGCA | TGTCGTACCT | ACCGCCAGTT |
| | 90181 | GTATAACCTG | CTTATGAGCC | AGCGCCATTC | GTTCTCTCAA | CAGCGTTACA | AAATTACTGC |
| 25 | 90241 | CCCCGCTTGG | GCACGCCACG | TGTATTTTCA | AGCACATCAA | ATGCACCTGG | CCCCGCATGC |
| | 90301 | CGAAGCCATG | CTACAATTAG | CGCTATCGGA | ACTGTCCCCG | GGATCGTGGC | CGCGGATAAA |
| | 90361 | CGGGCGGGTA | AATTTTGAAA | GTTTATAACC | CGTTAATACC | ATATATGGAC | ATCCATAGGG |
| | 90421 | GGGGTTACAT | AAATACTAAG | CCTCTGTACA | ACACAAAGGG | CCTCTAACAA | TGCACTGAAC |
| | 90481 | CACAACCAAG | CTATGGACGC | AACGCAGATT | ACCTTGGTTA | GAGAAAGCGG | ACACATTTGT |
| 30 | 90541 | GCCGCAAGCA | TATACACATC | CTGGACACAG | TCCGGACAAT | TAACACAGAA | CGGTCTTTCC |
| | 90601 | GTGTTATACT | ACTTATTATG | CAAAAACCTCA | TGTGGGAAAT | ACGTCCCTAA | GTTTGCCGAA |
| | 90661 | ATTACCGTAC | AACAAGAGGA | TTTATGTGCG | TACTCCAGGC | ATGGGGGGAG | TGTTTCTGCG |
| | 90721 | GCAACGTTTG | CGTCTATCTG | CAGGGCGGCG | TCCTCGGCTG | CGTTAGACGC | CTGGCCCCCT |
| | 90781 | GAACCACTGG | GTAACGCAGA | CACCTGGCGT | TGTCCTCATG | GCACTGCCCT | GGCCACTTTA |
| 35 | 90841 | CGGCGGTAT | TAGGGTTTAA | ATCGTTTTAT | TCGCCAGTAA | CATTCGAGAC | TGATACGAAT |
| | 90901 | ACAGGTCTTC | TGTTAAAAAC | AATCCCCGAT | GAACACGCGT | TGAATAATGA | CAACACGCCA |
| | 90961 | TCTACCGGAG | TAT'TGAGGGC | TAATTTTCCC | GTGGCCATTG | ATGTTTTCAGC | AGTCAGCGCA |
| | 91021 | TGTAACGCCC | ACACGCAAGG | TACGTCGCTA | GCCTACGCCC | GCCTGACCGC | ACTTAAATCT |
| | 91081 | AACGGTGACA | CCCAGCAACA | AACACCTTTA | GACGTGGAGG | TAATTACACC | AAAGGCCTAC |
| 40 | 91141 | ATACGTCGGA | AATATAAGTC | TACGTTTTCC | CCCCCTATAG | AGCGGGAAGG | CCAAACCTCC |
| | 91201 | GATTTGTTTA | ACCTTGAAGA | ACGCCGCTTG | GTTCTTAGTG | GCAATCGCGC | AATTTGTGGTA |
| | 91261 | AGGGTACTCT | TACCGTGTTA | TTTTGACTGT | TTAACAACGG | ATTCCACCGT | TACATCTTCC |
| | 91321 | CTTTCAATAT | TAGCAACATA | TAGACTGTGG | TACGCGGCGG | CGTTTGGAAA | ACCCGGGGTT |
| | 91381 | GTCCGTCCAA | TCTTTGCGTA | TTTAGGCCCC | GAACCTCAAT | CGAAGGGTGA | AGACAGAGAC |
| 45 | 91441 | TACTTTTGTA | CTGTTCGGATT | TCCC GGATGG | ACCACCTTTC | GGACACAAAC | TCCAGCCGTC |
| | 91501 | GAATCTATTC | GCACGGCTAC | GGAGATGTAC | ATGGAAACGG | ATGGGTTGTG | GCCAGTAACC |
| | 91561 | GGTATTCAGG | CCTTTCATTA | TCTAGCCCCC | TGGGGACAGC | ATCCCCCTTT | ACCTCCGCGG |
| | 91621 | GTGCAGGATC | TTATTGGGCA | AATCCCTCAA | GATACTGGAC | ATGCAGATGC | AACTGTCAAT |
| | 91681 | TGGGACGCGG | GCCGGATATC | TACCGTCTTC | AAACAGCCTG | TACAACCTAC | AGATCGTTGG |
| 50 | 91741 | ATGGCAAAGT | TTGATTTTCA | CGCCTTTTTC | CCCACGATAT | ACTGCGCTAT | GTTCCCCATG |
| | 91801 | CATTTTAGAT | TAGGCAAAAT | CGTCCTGGCT | AGAATGCGTC | GAGGAATGGG | GTGCCATAAA |
| | 91861 | CCCGCGTTGG | TGTCTTTTTT | TGGGGGGTTA | CGGCACATAC | TCCCAGGATG | ATACAAAGCT |
| | 91921 | ATTATTTTAA | TAGCCAATGA | AATTAGCCTT | TGCGTCGAAC | AAACGGCCTT | GGAACAGGGC |
| | 91981 | TTTGCTATAT | GTACTTATAT | AAAAGATGGA | TTTTGGGGAA | TCTTACACCA | TTTACATACG |
| 55 | 92041 | CGCAATGTAT | GTTTCAATCA | GGCACGTTGT | TCGGCCTTAA | ATTTAGCGGC | CACCTGCGAA |
| | 92101 | AGAGCAGTCA | CGGGCTTATT | ACGAATTCAA | CTAGGTCTTA | ACTTTACACC | CGCCATGGAA |
| | 92161 | CCGGTACTCC | GGGTGAGGGG | TGTGTACACT | CACGCATTTA | CCTGGTGTAC | CACGGGAAGC |
| | 92221 | TGGCTGTGGA | ATTTACAAAC | AAACACGCCCT | CCGGATTTAG | TTGGCGTGCC | ATGGCGAAGT |
| | 92281 | CAGGCGGCGC | GAGATTTAAA | GGAGCGTCTT | TCAGGACTCC | TATGTACCGC | AACAAAAATT |
| | 92341 | CGAGAACGGA | TACAGGAAAA | TTGCATATGG | GACCATGTCC | TATACGACAT | ATGGGCGCGA |

| | | | | | | | |
|----|-------|------------|------------|-------------|-------------|------------|-------------|
| | 92401 | CAAGTTGTGG | AGGCTGCCAG | AAAAACATAC | GTCGATTTTT | TTGAACATGT | TTTTGATCGC |
| | 92461 | CGTTATACTC | CGGTATACTG | GAGTCTTCAG | GAGCAAAATT | CGGAAACAAA | AGCAATACCG |
| | 92521 | GCATCTTATC | TGACATACGG | ACACATGCAA | GATAAGGATT | ATAAACCAAG | ACAGATAATT |
| 5 | 92581 | ATGGTTCGTA | ATCCCAACCC | ACATGGACCT | CCTACTGTTG | TTTACTGGGA | ATTGCTACCA |
| | 92641 | TCGTGTGCCT | GTATTCCCCC | CATAGACTGC | GCTGCTCATC | TCAAGCCCCC | TATACACACG |
| | 92701 | TTTGTCACTA | TTATTAACCA | TCTTCTAGAT | GCTCATAATG | ATTTTTCAAG | TCCATCATTG |
| | 92761 | AAATTTACTG | ACGATCCCCC | TGCTTCATAT | AACCTTCTGT | TTTTATGACA | AAAAAACACG |
| | 92821 | CCGCAACAAC | CCATCCTTAA | AATAAAAGGT | TTATTTACTT | TACAACCCGT | GGTGAATTTT |
| | 92881 | TATACGTTTC | AAATAACTGA | ACATTTTTTCG | GTGTTACCAT | GGTGCATTTT | AACCACCAAA |
| 10 | 92941 | AATATACGCT | CTTCTGATAT | TCCGAATCTC | GTAAAGGTCC | ATTTAACAAT | CCCGGGGGTA |
| | 93001 | CTTGCAACAC | ACCATCTGGA | CAGGGGGGGG | TTCCGTGGGG | CAGGTCAAAA | CGCTGACCCA |
| | 93061 | CCCCACATGA | ATATATAGCC | TTTATAATAT | TGGGGGCCGT | TCCAGGCTGA | GGGTTTCAGTA |
| | 93121 | ACTTAACAAA | CATATAATGC | GGCAATACGC | GGGTTTTTGT | AAAGGGGTTG | TTATCAACGA |
| | 93181 | CATACATTAG | AGTGTTTAAC | AACCATAAAA | CTCCCTCATA | TAAAAACCGA | CGCATTTTTT |
| 15 | 93241 | CCAAAGGTCC | TATTTGACAC | TCAACGCGTC | TAAGATATAC | AGACAATTGT | ACAAACAGCG |
| | 93301 | ATGGAGATGC | CCCGGAGGGC | CCAATGCCTT | CCGATAACAT | TAAAATAACA | CATAAGGTAA |
| | 93361 | AATCTAGGAC | ATTATCCGGG | CGGAATAGAG | TCATCCGATA | GATTAACAGG | CGCGGAGGCA |
| | 93421 | CCCCCACCCT | ATACACCCTA | TCTTCAACCG | CAGTTAATAC | GGAAAAAATA | AATCCGCGGA |
| | 93481 | ACGCTGGTTG | AGTAACACAC | TCCATGTAGT | AACGATCACA | GGACACCTCA | CTTGAATCAC |
| 20 | 93541 | CATTCAACAC | TACTAAAACG | GTCTCTTGGT | GTTCCGGTTT | TACGCGCAGT | GATACAACAG |
| | 93601 | AGTTTGCCAA | AAAGCGTGGC | TTCAAACCGG | TTACCTCCCG | CGCCTCGCAT | ACGAATCTTG |
| | 93661 | GTATTGCTTG | TATTCTAAGA | TCTTCGATCA | CGTCGCTCAC | ATCCAACCCC | TCTTCGGCTC |
| | 93721 | GTGTTAGTAA | GTTGTGCATC | GTTACGCTGC | AACCTAAAAT | GCTGGGTATA | TTTATTCGGG |
| | 93781 | ACATCCCATC | GGCCATCCCC | GCGCCTCCGG | TTTGCTCGAA | TTTTATCCAG | TAAGTTCGAA |
| 25 | 93841 | TTCCGTGCAT | TTACCTTGTG | TACCCGTAAAC | CTCTCAGGGG | GGTGTCTTTT | CATAAAATGG |
| | 93901 | GATAGGTTTT | TATATCCAAC | ATGCATGTAT | TGGTTATTTA | TTTTATTGGG | TCCGGGATT |
| | 93961 | CTTTCGTCAT | CTTCTGTAGG | GTCAGGCAAA | CCCCAGGAAG | GACTTGGTGT | TCTCCGTGGG |
| | 94021 | CCCCGTTTTA | TTACCTCTGC | GCGAACCTGC | ATTTTCATATA | ATATTCCGAT | TTGGGATAAA |
| | 94081 | TAGGACTCTG | TTCTCGCCTT | TTTAAAAATA | GCCTGGCATA | ACTCTTCCTC | TGACCTATGT |
| 30 | 94141 | ACCTCGCTTT | GAGTTACCAA | GAATCCTAAT | CGGGTGGCCC | GTAATATGAA | TGAAAAATAC |
| | 94201 | GGCGCAACTA | GTAATGAGAT | TGACGCATTT | GAATATGATA | CAGAAATTTT | CTGGCCTTGA |
| | 94261 | TTATTGTTTA | CCCGGTGAAG | CTTAAAAACG | CGAACAAGTT | CCTGTTTCCA | TAGCTCAGAC |
| | 94321 | AAACGTTTTA | TATCATCTCC | ATAAGGGGGG | ATATAACGAG | ATTGAAAATC | ATTGGCAATA |
| | 94381 | TATGCATCAT | CCCCTATTAT | GCCGGTAAGA | TCTATAACCT | CGTGATTTAA | ATCGGCAATA |
| 35 | 94441 | CGTGTTTCTT | CTGCCATTGT | AATATGTGAC | CCTTTAGATG | GCTTTATTTT | TACCCTCTCT |
| | 94501 | TCCCGTAACC | GTTTCAGCTC | TCCTTCTTTG | AACTGGAGCC | TTTCGGTCAG | ATCGCTGTTC |
| | 94561 | ACATCCTTGA | GACCCTCAAT | GGTTTTGAAT | AAATTATTCA | CATAACCCCT | GAGCATGCCG |
| | 94621 | TTGATACTGT | TAACCACCGA | AGTTTTTAAAC | GCACCTTGAA | CGTTTGTGTG | TCCGGACATT |
| | 94681 | GCCCCCCCCG | TAAAGGATTG | GTTGGCCTTG | CCAAACCCCG | GTTGTGATGT | GTCCACCGAT |
| 40 | 94741 | CCACTTCCTT | CCAGAATGTG | ATTGCCCGTT | TCTTCTAGAT | AGGAACGTAC | GGTTTCGGTA |
| | 94801 | ATATCTCCAA | CATGTCTCAT | GTTTTTTAAG | TTAACCTATTA | GCTTTACAAG | TCTAGACGCG |
| | 94861 | CCCGATCCAG | CCCGTGTGTG | ATCGTTCTCG | CCCATTATAC | GATCAACCGC | ACGTGTGCTG |
| | 94921 | TGAGATCTAT | CATCTTCATT | CCGGCGACCT | ATTAACACGC | GCAAACCCGT | TGATTTTAAA |
| | 94981 | ACTTGGCAGA | CGCGAGCATG | TTCACGTAAT | GCATAACAGG | CCAACACCTC | CCAGAAAGC |
| 45 | 95041 | CGCTGTAAGG | GTGAGTCAAA | TACTACACCC | TCCCCACATA | CAACGGGCGG | CCACACGACC |
| | 95101 | AAACACTCTC | CCTTCATGCC | CGTTACATCA | TCCTTTGCCA | TAATTAATCT | TCGGTTATAA |
| | 95161 | TTATAATAAA | GACGCGTCCT | ATCATAATCC | ATAATAGCAA | CATTTTGCAT | ACACTCAACT |
| | 95221 | AGGCTTGTGA | CAACCGCCGC | TCCTCTGGCC | AACGTTGCAT | CGGCAACTTT | TAACATCTGG |
| | 95281 | GACAGTTCCT | CCGCTTGACC | CATATACGTA | TTTAATGGTG | CAGGGGTTCC | ATTCTGTCTT |
| 50 | 95341 | GATCGTACCT | TTCTTACAAC | GGGCACAATA | CCTACACAGG | CTATCCAGTC | CACGTATTTG |
| | 95401 | GCAAAACCGA | CCCTTCCATT | TAAACCACTG | GTATAGAGAC | AACCGGTTAT | TCCACGCAGA |
| | 95461 | AACTCAAGTA | ACGATGACTG | TAATGTTTGA | CGCCAGGTTT | CAAAAACCTG | ATGTGCAAGC |
| | 95521 | CGTACGGCTT | CTGATTCTCC | ACATAGCCCA | TAACGTTCCG | CTAGAGCCCC | GGCATGCAGG |
| | 95581 | TTACATTGTT | GGATGTGGTG | TTCCCAATCT | GCTGCTAGGT | CCTCATACCG | AGTTGCATCC |
| 55 | 95641 | AACGCGTTCA | TCAAACCGGT | TGCCTGAAC | TGGCGAATTA | CAGTTTCCGT | AGACCGTACA |
| | 95701 | GCGCTATATA | TGCCTTGTCC | ATCGGTATAT | CCAAAGTCAC | CGGCTAGGAT | TTTTCGAAAC |
| | 95761 | AACATACTTT | GCGTGGTTGG | GTGTATTAAAC | ATCCAGCCAT | CTTCCTCCGG | AAATGTACAA |
| | 95821 | AACCCTATAT | CCGGGGCGTA | CTCATTCAG | TATATATCGA | ACATGTTCTT | GTATTGGTCA |
| | 95881 | TTTGGGTTAC | TTCCATTCAA | GCCCTGGTCA | ATAGAAACAG | AACTTGCTAT | CCTTTTTTCT |

| | | | | | | | |
|----|-------|-------------|------------|-------------|-------------|------------|-------------|
| | 95941 | TCACCTACCGG | AACTGTTATT | AAAAAGAGAC | GTTATTTTCGG | CCATTGAAAA | CCACGATGAA |
| | 96001 | AAGATCAATT | TCTGTAGACA | GTTCTTCACC | CAAAAACGTT | TTTAATCCAG | AGACGCCCAA |
| | 96061 | TGGATTTGAT | GACAGTGTAT | ATTTAAACTT | CACCTCTATG | CATAGCATTC | AACCTATCCT |
| 5 | 96121 | CTCACGGATT | CGAGAACTTG | CCGCAATTAC | GATTCCAAAA | GAACGTGTTT | CGCGGTTGTG |
| | 96181 | TTGGTTTAAA | CAGTTACTCG | AACTGCAAGC | GCCTCCTGAA | ATGCAGAGGA | ATGAGCTCCC |
| | 96241 | CTTCTCCGTT | TATTTAATTA | GCGGAAATGC | CGGCTCCGGA | AAAAGCACGT | GTATCCAAAC |
| | 96301 | GCTTAACGAA | GCTATCGATT | GCATTATTAC | CGGATCCACC | AGGGTTGCTG | CCCAAAATGT |
| | 96361 | TCATGCTAAG | TTATCAACGG | CTTATGCGAG | TCGTCCGATA | AACACAATCT | TTCATGAATT |
| | 96421 | TGGTTTTTCG | GGAAATCACA | TTCAGGCTCA | GCTGGGCCGT | TACGCATATA | ACTGGACTAC |
| 10 | 96481 | GACCCCCCCT | TCTATTGAGG | ACCTGCAAAA | AAGAGATATT | GTATACTACT | GGGAAGTTTT |
| | 96541 | AATTGATATA | ACAAAACGAG | TGTTTTCAAAT | GGGGGACGAC | GGTCGCGGAG | GAACATCGAC |
| | 96601 | ATTTAAACCC | CTGTGGGCAA | TTGAACGTTT | GCTTAATAAAA | CCTACAGGCT | CAATGTCCGG |
| | 96661 | AACCGCGTTT | ATCGCATGCG | GTTCCTTTCC | GGCTTTTACC | CGGAGCAACG | TTATTGTTAT |
| | 96721 | TGATGAAGCA | GGATTGCTAG | GGCGTCATAT | TCTCACGGCC | GTTGTTTACT | GTTGGTGGCT |
| 15 | 96781 | TTTGAATGCT | ATATATCAAA | GCCCTCAGTA | CATAAACCGT | CGAAAACCGG | TCATAGTATG |
| | 96841 | CGTCGGTTCC | CCCACCCAAA | CTGACTCGTT | AGAATCTCAT | TTTCAACATG | ACATGCAGCG |
| | 96901 | TTACACAGTA | ACTCCTAGTG | AAAATATACT | CACGTATATA | ATCTGCAATC | AAACTCTGCG |
| | 96961 | TCAATATACT | AACATCTCAC | ATAACTGGGC | AATCTTTATT | AATAACAAAC | GATGTCAAGA |
| | 97021 | GGACGATTTT | GGAAATCTTT | TAAAAACGCT | TGAGTACGGG | CTACCTATTA | CCGAAGCACA |
| 20 | 97081 | TGCGCGTCTG | GTCGATACAT | TTGTTGTACC | TGCATCCTAT | ATTAACAATC | CTGCTAATCT |
| | 97141 | TCCCGGATGG | ACGCGTCTGT | ATTCTGTCGA | TAAGGAGGTG | AGCGCGTATA | TGAGTAAGTT |
| | 97201 | ACACGCGCAT | TTAAAACAT | CGAAAAATGA | CCATTTTCT | GTGTTTGCCT | TACCGACTTA |
| | 97261 | TACATTCATC | CGGCTAACGG | CATTTGATGA | ATACCGCAAA | TTAACGGGAC | AACCCGGACT |
| | 97321 | TTCTGTGAA | CATTGGATCA | GGGCAAACTC | CGGTCGTTTG | CACAATTATT | CCCAAAGCCG |
| 25 | 97381 | AGATCATGAC | ATGGGAACAG | TTAAATACGA | AACACATTCA | AATCGCGACT | TAATTGTAGC |
| | 97441 | CCGTACAGAC | ATCACTTACG | TGCTAAATAG | TCTCGTAGTT | GTAACCACAA | GACTACGTAA |
| | 97501 | GTTAGTTATT | GGATTCACTG | GTACATTTCA | ATCGTTTGCA | AAGGTTTTAC | GTGACGACTC |
| | 97561 | CTTTGTGAAG | GCTCGAGGAG | AGACATCCAT | CGAATATGCT | TACCGGTTTC | TGTCAAACCT |
| | 97621 | AATCTTTGGA | GGCTTGATTA | ACTTTTACAA | TTTTTTGTTA | AATAAAAACC | TACATCCCGA |
| 30 | 97681 | TAAGGTATCG | TTAGCATACA | AACGGTTAGC | TGCCCTTAACC | CTGGAGTTAT | TGTCTGGAAC |
| | 97741 | AAACAAAGCC | CCCTTACACG | AAGCAGCGGT | TAATGGGGCG | GGTGCCGGGA | TTGACTGTGA |
| | 97801 | TGGTGCAGCT | ACTTCTGCCG | ATAAAGCCTT | CTGCTTTACC | AAAGCCCCCG | AGTCCAAAGT |
| | 97861 | AACGGCCTCC | ATACCCGAAG | ACCCGAGATT | TGTAATTTTT | ACGGCACTTA | ACGACGAGGT |
| | 97921 | TATTGACTTG | GTATACTGCC | AGTACGAATT | TTCTATATCC | AAATCATCCA | ATGAGGTCCA |
| 35 | 97981 | TGCTCAGTTT | CTGTTAATGA | AAGCTATTTA | CGATGGTCGA | TATGCCATAT | TAGCAGAGCT |
| | 98041 | TTTCGAAAGC | AGCTTTACAA | CCGCCCCCTT | TAGCGCGTAT | GTCGATAATG | TTAATTTCAA |
| | 98101 | CGGAAGCGAG | CTTTTGATCG | GCAATGTGCG | GGGGGGGCTG | TTATCTTTGG | CATTACAAAC |
| | 98161 | AGATACGTAT | ACCCTTTTGG | GGTATACTTT | TGCACCCGTG | CCAGTCTTTG | TAGAGGAACCT |
| | 98221 | GACCCGAAAA | AAGCTGTACC | GCGAAACTAC | CGAAATGTTA | TATGCTCTAC | ACGTACCTCT |
| 40 | 98281 | TATGGTCTTA | CAGGATCAAC | ATGGGTTTGT | GTCCATCGTA | AACGCTAACG | TATGTGAATT |
| | 98341 | TACCGAGTCT | ATAGAGGATG | CAGAATTGGC | AATGGCCACC | ACGTTGGAGT | ATGGCCTTAG |
| | 98401 | TTCTAAACTA | GCCATGACAA | TTGCACGCTC | ACAGGGTCTG | AGTTTAGAGA | AGGTAGCTAT |
| | 98461 | CTGTTTTTACG | GCGGATAAAC | TGCGCCTAAA | TAGTGTGTAT | GTTGCCATGT | CGCGTACGGT |
| | 98521 | CTCCTCTAGG | TTCTTAAAAA | TGAATCTAAA | CCCTCTACGG | GAACGATATG | AAAAATCCGC |
| 45 | 98581 | AGAAATTAGC | GATCACATTC | TTGCCGCTCT | ACGTGATCCC | AACGTACACG | TTGTGTATTA |
| | 98641 | AAGCATTTGTA | TAAAAACACG | CATGCGGGCT | TGCTGTTCTC | ATTTCTAGGT | TTGTCTTAA |
| | 98701 | ATACACCCGC | CATGAGCATC | TCTGGACCCC | CAACGACGTT | TATTTTATAT | AGGTTACATG |
| | 98761 | GGGTTAGGCG | GGTCTTTCAC | TGGACTTTAC | CGGATCATGA | ACAAACACTC | TACGCATTTA |
| | 98821 | CGGGTGGGTC | AAGATCAATG | GCGGTGAAGA | CGGACGCTCG | ATGTGATACA | ATGAGCGGTG |
| 50 | 98881 | GTATGATCGT | CCTTCAACAC | ACCCATACAG | TGACCCCTGCT | AACCATAGAC | TGTTCTACTG |
| | 98941 | ACTTTTCATC | ATACGCATTT | ACGCACCGGG | ATTTCCACTT | ACAGGACAAA | CCCCACGCAA |
| | 99001 | CATTTGCGAT | GCCGTTTATG | TCCTGGGTCG | GTTCTGACCC | AACATCTCAG | CTGTACAGTA |
| | 99061 | ATGTGGGGGG | GGTACTATCC | GTAATAACGG | AAGATGACCT | ATCCATGTGT | ATCTCAATTG |
| | 99121 | TTATATACGG | TTTACGGGTA | AACAGACCTG | ACGATCAGAC | CACACCAACA | CCAACCCCGC |
| 55 | 99181 | ACCAGTATAC | ATCGCAAAGG | CGGCAGCCTG | AAACCAACTG | TCCTTCTTCA | CCACAACCGG |
| | 99241 | CCTTTTTTAC | ATCAGACGAC | GACGTTCTTT | CGTTAATATT | ACGGGACGCC | GCAAACGCGT |
| | 99301 | AAAGACAGAT | TCAAGACTAA | CATTTATCCC | AACTGATTAC | ATTTCATACG | CGAATAAACG |
| | 99361 | ACACAAAAAA | TTTATATTTA | ACGGCTTTTA | ATTTGAAGAC | ACCTATCCTC | TTAACGTTGA |
| | 99421 | TGAGCCTTGC | AGGTTGGGTG | CCGCGCTTCA | CCGTTATTAT | ACATAACCGA | TTTACCGTGT |

| | | | | | | | |
|----|--------|-------------|------------|-------------|------------|-------------|------------|
| | 99481 | TTACGGCAGT | CTGACCATTT | ACCAGTGTAT | GTCTGTAATA | CGACGTTGTT | GTGTCCCGAC |
| | 99541 | AAAATTAAC | CGCGTACAAA | TTTCTGATGT | TCCCCCGGCG | TGGCAACGCT | GGCATTTC |
| | 99601 | AACACATTAC | GTTCTCGTAC | GTCCATGACC | GCTATTTTCA | GTATTAATTG | GTTGGTCGGT |
| 5 | 99661 | CAAAGTATTT | TCCTTATGTA | AAAGGACACG | ATCTAAAGCC | GTAAACTCAT | ACACAAACAC |
| | 99721 | TGGTACCAAC | GGACGCGATT | TTCCGTCCGT | TGAGCGGGTG | TAATATCGGC | GAGGTCTTCT |
| | 99781 | TGCACGAATA | CTCTCGTACA | GTAGGTTTCT | GACACGGGGT | GCATGGGTTT | TTTGACACAA |
| | 99841 | CACAAACATT | TGCAGGCTCT | TATGACTGGA | TGGATTGAAT | TTATTTTGTAG | ATAGGGTCAC |
| | 99901 | GTGTTTTTGT | CGTGACACGC | CTCGACCAGA | AAAGGCTGCG | GTTTTTCGTAC | ACGCGACCGT |
| | 99961 | TATTTTCACAG | GCGTTCATAA | CCAAGCTGCG | GCGGATGGTG | TCGGTTAATT | GTCTCCGCC |
| 10 | 100021 | AAGTTCGTCA | ATAGATGATA | CCATGAACAA | CGTATCAAAT | GGTACATAGT | CGTCTTTGGT |
| | 100081 | TTTCTCAATA | CAGCCCGCGT | GCCCAATCGG | AAATTTTTC | TTTGCATCAA | CGCTATTTTC |
| | 100141 | TGTAAAATCG | TTCTGAACAC | TGTGTTGGCT | GGCTACCTGT | TTAAAATTTG | GGATCGAACA |
| | 100201 | CGGTCCACGA | TGCAATCCCC | AACCCCATTTG | AAGCAATGCC | GTCGGTACGG | AAGGAGGCAA |
| | 100261 | CTCCGAAAAC | ATTATGGTAC | GCAAGAGGGT | CGATTGGAGT | GTTATATAAC | ACTCCAATCG |
| 15 | 100321 | ATCTCGGGTT | CGCCTTTACG | CGTAAAATAC | TCATTGGCTT | GAACGAAATG | TCGACAATTC |
| | 100381 | CGAAATGGAA | CACGGGACAA | TGGCGACGGA | TGCGCGTGTG | TTAGCACCAG | ATGACATCTT |
| | 100441 | GAATTCGGTT | GGGTTGTCTT | CTGTGCATGC | GCACCCACAC | GCATAAAAAAC | TAACCCTGTA |
| | 100501 | CGGTTCTCGC | ATAACCTCTG | TAGCACGCGT | TGCACCAGCC | GCCCCCAGCC | TAAGTATACA |
| | 100561 | TGCGACCCCG | GAGTCCCGCG | ACGAACCGTA | AGCGTGGTAT | TCAGCAATAA | CACCCCTGTC |
| 20 | 100621 | CTTGCCCAAC | TCTCCAGGCA | TCCGTGAGTG | GGCGGAGTCA | TATTTGGGTA | TGATTCCATG |
| | 100681 | AGGGCCGCAA | AAATATTTTT | AAGACTAGAC | GGTGGTGTTA | TGCCACGTTT | TACACTAAAC |
| | 100741 | GCTAGCCCAT | GTGCATGTCC | CGCGGTAGGG | TATGGATCTT | GACCAATAAT | TACAACGCGA |
| | 100801 | ATGCTCTGGG | GTCCGCAAAA | TCGCGTCCAT | GCAAAAATAT | CGCCTGTAGA | TGGAAGTAT |
| | 100861 | TCTTCCCTTG | AAATTAAAG | ACGATTGTAT | TCTAAAAAAA | TACCTTTTCG | GTACGGCTCT |
| 25 | 100921 | TTAATTTCTG | CCGACAACAG | GTCATACCAC | TACGGGGAAA | TGTTAAACTT | CTGAAAAACT |
| | 100981 | TCAACCGAAT | CCAGTTGCGA | AGAGACGGGG | GTGAACGTTT | CCGTGTCTGTA | ATGATGTGAC |
| | 101041 | ATGTTATTTA | ACTTGAAGGT | TGGGGGGTCT | AGCTTAACCC | CCAAAGGCAG | CCCGCGGGGT |
| | 101101 | CGCTTGCGGG | TTTTTTTGGT | AACCGGATGG | GCCAAAACAT | AAATGTCCTT | TGAATCCGAT |
| | 101161 | AGTTTCATTT | CATTGGCATA | CGCGTTGGAA | CAAACGGTCG | GCTCCCCAGA | CACATCCATT |
| 30 | 101221 | TTCCGGGATA | TTTGTGGAAG | ATGGAGTAGA | GTCTACCCAT | ACACCGGAAA | GGGCATCCAA |
| | 101281 | CAAAGCATCG | CGTATGTCCC | CGCTTTTATG | TTCTTCACCA | ACAGATTGTG | CCAGCCCCCT |
| | 101341 | TAAGGTGACG | TATGGATTTG | TCCAGTACGC | CATTTGTTTG | TCTTTAAACC | AAAGTATAAC |
| | 101401 | TTCCGGTACT | GGACATTTTG | CTTTAACCAC | GATTCCTGAT | AGCGCCTCGC | TGAGGTTTGA |
| | 101461 | TACCGGGGGT | GCCGCATAGT | CCCACGCCTC | ATATACCGAT | GACACGACAG | GTTCCGTTAT |
| 35 | 101521 | AATCAAACCTC | ACATCCGATA | GCGGTTTGGC | TCCAAAAAAC | AACGGAGTGT | CGTCTTGGAG |
| | 101581 | ATGAAGACAA | TACGCGATTG | TGATAGTTTT | TAAAAAAACT | ATCTGCAGTA | ACCATTTATG |
| | 101641 | TGATGCCATG | ACGCTTGTGT | TTTCCCTTCA | CTACGACGTT | GTCGTATCCT | TTGAAAAACT |
| | 101701 | TGACCACTCT | AATGGAAGCA | TGGACAAGTA | TGAGTTTAT | ATATACAGTT | GGCCTTTAGT |
| | 101761 | TAAACTCTTG | GTGTCATATC | TCATTTTCTT | AAAAAGGGCG | ATCTTAATAT | GTCAAACGTC |
| 40 | 101821 | ACGGCGTGCC | GACAAAGCGA | ATTTCCATGC | AAGATTTGGA | TGTAGTATTT | ATACACCCAA |
| | 101881 | TCACATGTCA | CGTATTAAGC | TTTACAGTCC | CCCGTTATCT | GATATAATCA | CTTTCTTAA |
| | 101941 | CACGTCACTG | GGAAAACAGA | TGTTTATATT | ATACCTCTCG | CGGTCAATTA | CGGCAAAATC |
| | 102001 | TTAGACCGTT | TTCAAGCGGA | CTGAAAACGC | TCAAATTGCC | TTTTGGAGGC | CTGCCAACG |
| 45 | 102061 | GCCATTATCC | CTTGGATCTA | AGATTGATTT | GCGGTAACGT | TTGCCAATCA | AGCTTTAAAA |
| | 102121 | ACGTACCCCA | AACTTAAAAC | GCTCAAATTG | CCTTTTGGAG | GCCTGCCCAA | CGGCCATTAT |
| | 102181 | CCCTTGGATC | TGAGATTGAT | TTACGGTAAC | GTTTGCCAAA | CCCACGCATT | TCAGTTTAAA |
| | 102241 | TATTTCTAAG | CATTCTTAGT | GCGTACTTGG | CAGCGTGCTT | AAAATATCAA | CCAATATCCA |
| | 102301 | TTATGCTACA | CGTTTCCTTC | TATCCGTTTC | AATCCATTAA | AAGTCCATTA | ACAAAAATGA |
| | 102361 | TGCATCATAC | CTAATTCACC | TAAAAACCTG | ACTCATTGCA | GCAGCGTTTC | CTCCTTGCG |
| 50 | 102421 | ACTATCCAGT | TGGCATTTTA | AACGGGTCCG | GCTGCCATAA | CCGAAAAAC | CGTTGCCCTT |
| | 102481 | ACTGTAAAGT | CAAAACTAAA | ATTTATATTT | CCGTGCGTAT | TTTGTAACAT | ATATGCCCTT |
| | 102541 | TATCCCCCGG | CAAGTTTGCT | TTACCCTCGC | CTTCACCACC | CCCGCCACCT | TCCGGCCATT |
| | 102601 | TTAATAACTT | TAATTGCTAT | AAGACATACC | CAAACCGGAT | GATTTTTTGC | GCTGGAAAAA |
| | 102661 | CAGCTTCTAA | TTTTCCCGTC | TCAACTCGGC | CTTGGTTGCA | TCTCCAAGTA | TACCTTTAGT |
| 55 | 102721 | TTGCTCCCGT | AGAGGTGTAT | AAATACAAAC | GGTGACAAGT | ATTGAGCGTA | ATCTCAAATT |
| | 102781 | TTTGTAATTT | AGGGCGGAGC | GCTTACGACA | GCACATGCGT | ACTGTTAGAC | TGTTATGTTT |
| | 102841 | ATTGTATTTG | CAGAGCAGGA | TGCCCCGGTT | ACTCCGAGAC | CGGATTGCGG | GCATTCGGAA |
| | 102901 | TCGTGTACGG | ACTTACCAGG | GGGCAGTATT | TACACCTTGG | GTTCCAGATA | TACCAACCCT |
| | 102961 | TACGACCAAT | AGCAACACTC | AGGTATTTTT | AAAATGCACG | TTTAATGATC | ATAATTTACA |

| | | | | | | | |
|----|--------|------------|------------|-------------|------------|-------------|--------------|
| | 103021 | TACAGTTGGT | AATAAAGCAG | ACTGTGGATG | TTTAAGGCAT | TTCCTTCCCC | CTCCCAACAA |
| | 103081 | ACTAGGACTT | CTTCATCTTG | TTTGGAATAC | CTTTACCCGC | TTTACCGGCA | GAGCTTTTTT |
| | 103141 | TGGTAAGGTG | TTTCAGTGAA | CCTGATGTTG | ATCCGGAGGT | GGAGGGGGTA | TTGGACTCCC |
| 5 | 103201 | CCTGTGGAGA | GGCAACTTTG | CGGGTTTTAC | TTCCCTTACA | TGCCGAATCA | GA CT CAGATG |
| | 103261 | TCAGGTCTAT | TGTTAAGCAT | CGTTTAACTG | CTCTGCCGGT | ATGAAATAAA | CGGCGCTTAG |
| | 103321 | CACCCCTTGC | GCTTCCCGGT | TTAATCCCCG | GTAACACAGA | AAAAAGCCTG | ACTTTTTGGG |
| | 103381 | GTGTATTTAC | CAATCGGGTA | TCCCTTTTCAT | CGCCACGAGA | GGTCTCCCCG | GTTGAGGTGG |
| | 103441 | TTTCTGGTCT | TACAATTGGA | CCTGTAATTA | GTTGGATGGC | TGTATCTTTC | CAGGTCCAGG |
| | 103501 | TTTGCATGGT | TAGGCGGGTT | GGATCGGTAC | ATCGATCCAA | CAAGAATAAC | ATGTTTGTTA |
| 10 | 103561 | CAAACGGTCC | TGTTGAATCA | TGCAAAAGAC | AACGCAGGGA | TGTTTTTAAAT | CCGCGCTCAT |
| | 103621 | CACGCCCCGT | AATACCTATA | TAGTTTAAATA | TCAACATTTT | TGTAGGCTCT | ACAATTTCCG |
| | 103681 | GTTGATACAG | TTCCGCAAGT | TGATCATCAA | GCCATCCGAG | TAAAGGTTGC | ATGTAACACG |
| | 103741 | GGAATCTCGC | GTTTCCCTCT | GTTCCTCTAT | CCGTGGCTCG | AAAAGGCAGT | CTGTCCATGG |
| | 103801 | TTCGTGGGTC | TTGATTAATT | CCCACAGATA | CTGGACGATC | ACGGTAGTCC | TGCCCCCCCG |
| 15 | 103861 | TCCGGGGTTG | CTGTGCAGAT | TCAATCGAGC | CATACACCAC | CGGGGTCGCG | GATCGAACAG |
| | 103921 | CAGGTTGGTC | TTTAAAAAAT | ACCTTCCGTA | AAAATGATGC | GGTAGAGCAT | GTTTTGGTTA |
| | 103981 | CACCAGGGCT | CGAGTCTCGG | GTCGGTGGTT | GTATAGAATC | CTGTTGAGAG | TCACTTGGTG |
| | 104041 | ACTCTGCTGT | GGGCTCTCTA | GCCGACGATT | GAAGGGGCCC | AGGGTTTGGT | GATTGAATGG |
| | 104101 | GCTCCCGACT | CGATCTTGAT | GTTGGCTGTT | GGATGGACTC | CCGACTCGGT | CCTGGGCTTG |
| 20 | 104161 | GTGGCAGAAG | ATCTATGACA | TCTCCCGGTA | GGATGTCGAT | GGAATCTTCA | AATGACGGCT |
| | 104221 | CAGAAAAACC | ATCGTCTCG | GATGGGTGCA | CTTCATATTC | CTTGTAACCT | GTATCACTTA |
| | 104281 | CGATCTTATG | CAGGATGGAT | TGCACTGGAC | ACCGGCAGAG | AGGACACTGG | ACGCTGGTGG |
| | 104341 | AGGTCCATGC | CCGAATACAA | ACAAAGCAGA | AGTCGTGCAA | ACACGGCATG | GTTTTTCCGA |
| | 104401 | GATCGGAAC | GGTGCTCATG | CATATGGTGC | AGGTATTATC | CGAAGCGTCG | GAGGTGCCCG |
| 25 | 104461 | TACCGCCCGC | TAATCGGTA | TCCATGGTAA | CAACTGGCTG | TATTCTAATG | TCCGGGCATC |
| | 104521 | CAAACACGTA | GCAGAACTGC | CATGCGTTCT | AAATTGTGAG | TTGTGGCGAG | TACATTTTTA |
| | 104581 | TAATTGGTAC | CAACGAAGAC | ACACCCCTAT | ATCCCTCCAC | CCATTTCTTT | TAAGTCCCAC |
| | 104641 | CCACTAAAAC | GTGGGTATAA | AATGTGTATT | GGGGTAGGCG | GACAGTCCCA | ACAAACAGGG |
| | 104701 | AAGTTGATTG | GTATAACCTT | GGGCCGGGTA | TACAGCTAAG | TGACATTTTA | GATTCTGTCT |
| 30 | 104761 | TTATTTAGAT | AAAGAGCGAT | ACGAAGACAT | TTCTCCACCC | CCCTGTAATA | CCCGTAAATA |
| | 104821 | AAGGTAAGTC | CACAAACAAA | AGCACTGTAT | ATAGGAAGTC | GGGTGTATTG | GGACAGTTAC |
| | 104881 | TCCATTAGAG | GCGTACAAAC | AATACTGGGA | TAGGGTAATG | CAAGTCCCCC | CCGATGGTCG |
| | 104941 | CCCCGCAAAC | GCGCGGGGAG | GTGGGTCTCG | TTTTTTTTTT | CTCTCTCGAG | GGGGCCGCGA |
| | 105001 | GAGGGCTGGC | CTCCTCTCCC | GGGGTCCGCC | GGGCGCCAG | AAACCGGGGG | GGGGTTATTT |
| 35 | 105061 | TCGGGGGGGG | GTCCGACCAG | CCCGCCCGTC | GCCCCCCCCG | ACAGACAGAC | AGACACTTTT |
| | 105121 | TTCATAAAAA | CCGTTCCGCT | TTTATTAACA | ACAAACAGTC | CGCGCGCCAG | TGGCGCTCAC |
| | 105181 | GAGAAAAGGA | GGGGACTCCG | TCACCCCCGA | CTCTGCGGGG | GGCTCCTCCC | CCCGCGCCCT |
| | 105241 | CCCCACACAT | CGTCCCTCGT | CTCGGAGGAC | GAGGACGAGG | ACAACAGCTC | CACCTTGACC |
| | 105301 | GCCGGGCGCA | AACCCACCCG | GCGGTCTCGC | AGCACACCCG | GGGCCACCGA | CACGATGCTC |
| 40 | 105361 | ACCCCAAAGG | ATGACCCCGG | TGCGTCCCCG | TCGTCCCCGC | CCCCCTCCTC | GCTGTCCAC |
| | 105421 | GCGTCTTCAC | ACCCACCTC | CCAATCGTCC | AGCTCCAAAG | CGTGTTCTCT | GTCGTCTGCG |
| | 105481 | GTGCGCCGCT | GTCGCCCGC | CTGGGTTTCT | GACGGCCGTT | CCGAGCCCCC | GTTGGTCTCCG |
| | 105541 | AACACGAACC | GTGTATCCGT | GCTCCCCTCC | AACACCGTCT | CCGCGGCCCC | AAAACCGGGC |
| | 105601 | GGCCACATTA | CTCTGGGAAT | CGGGGGGAGG | GCATTCCGAG | CCTCGTCCGC | CGACGCATAC |
| 45 | 105661 | AGCGCCACCG | ACCGACCGGC | CACGGGTGGA | AGCACGAGTG | GTTCTGCGGC | AGGGTCGGGT |
| | 105721 | TCCAGCAGGG | CGTGCGGCA | AAACACCCTC | GCCCAGGTGG | GTACGTGCGC | GGCCTCCGGC |
| | 105781 | CCGGCGGCCC | CCGCTCTCCG | TCCCTCGGGA | AGGAAGACGG | GTCGAAGCGC | GGCAGCCAGG |
| | 105841 | CCCCATCGGT | TTGCTGCGCG | GTGGCTATGT | GCCGCTCGT | CCACAAAGTC | GGCTGCCCCG |
| | 105901 | AGCCCCAGAC | CCCGAGACTG | TCGCGCGAGG | TCCTTGCAAC | CGTCAAAAC | CGGCAGCAGC |
| 50 | 105961 | TACTGCCGGT | ATTACGGGG | CGACAGGGG | ACCGGGTCT | TGGGGCCCCG | GCGGGTACAC |
| | 106021 | ACGGTGTATG | CGACGTTCCC | ACCGCGGCAC | AAACACAGGG | GTTGTTCCGC | CGGGTACAGG |
| | 106081 | TTGGCAAACG | CAGTCTCGAT | ACGAGCAAAA | CTCGCTGGCC | CAAAGGTGCG | CGACGATGCA |
| | 106141 | AACACGGCCC | GGGCGAGTCC | TTCTGTGACC | GCCGAGTCTG | GCCATCGGAC | GACGGCTGG |
| | 106201 | GCGTCCGGTC | GCGCCGGGGC | CCGGACGTAC | ACGTGATACT | GAGACAAAGC | GGGTCCATCC |
| 55 | 106261 | CTGGGCCACC | TCTCGAGGGC | CACCGCGTCC | AACACCAGCA | ACCGGCGCCG | GGCAGAGGCC |
| | 106321 | AACCGCGAGC | CTAGATACTC | GACGGCCCCG | GCAAAGGCCA | GGTCTCGGGT | CGACAGTAAT |
| | 106381 | AAAACGCCCC | GGGCGTTCAA | AGCGGACACG | TCCGGCGGGC | CGGTCCAGTT | CCCGGCCAG |
| | 106441 | GCATGAGTGC | TCGGCAGGCA | CAACCGGTTA | CTCAGGGCTG | CCAGGACCAC | AGACAGTCCC |
| | 106501 | CCTCGGGATG | GACTCCATGA | CGGTCCCGGA | TCTGTGCGCA | GGGTGCTCTC | GAGGGGGCCC |

| | | | | | | | |
|----|--------|-------------|------------|-------------|-------------|------------|------------|
| | 106561 | TTGATGTCCT | CTCCGGGCAA | CGGATCGTAG | ATGATCAGAA | GCCTCACATC | CTCCGGGTCT |
| | 106621 | GGGATCTGCC | GCATCCAGGC | GCACCTCCGT | CGCAGCGCCT | CCACTCCGCT | GGGTGGACCA |
| | 106681 | AACCGTCGGT | CTCCTCCGCC | CGGACGCCGA | GCGGCGATTT | CCGCCAAGGC | GCCGGGATCA |
| 5 | 106741 | AAGCTTAGCG | CAGGGCGCCA | GGCCGTGGGA | AACAATGGGT | CGTCGACCAG | ACGGGCGATG |
| | 106801 | GTTTCGGGGG | TACAGTACGC | CTTGCGAGCC | TGGTCCGACG | GGACCGGGGT | ATGCAGGGCC |
| | 106861 | CCCCGGGGAA | TACGCCGAAA | TCCCCGTTT | GGGGCCGGTC | CGTCAAGTGG | CATCGTTATT |
| | 106921 | ACGGCGGGGG | GATCCACCAC | AGGGCCCCGAG | GTGATGGTCA | CGGGCTCGGA | TACCCGCCTC |
| | 106981 | TTGGCCTTGG | AAACCACATG | ATCGTCTGCA | ACCCGGGCGT | CCGCGACGGG | TGTCTCCCTA |
| | 107041 | ATCTTGTCGA | GGAGGCTTCT | GCTCTCGACT | GGCTGGGACT | TGCGCTTGCG | CGGAGTTCGT |
| 10 | 107101 | AAACGATCAT | CCGGTGGACA | CACAGAAAGA | GAGCGTGCGG | CGGCCGACGG | CTGAGGGTCG |
| | 107161 | GGAGCCTGTG | TGGCCGGGGT | TGTTGGAGAA | GGGTGACCGC | GGGAGATCCG | CGCCGCCGGA |
| | 107221 | CTGGAGCCCG | TTGCCTCGGG | GTATGCCATG | CTGGCAAAGG | CTCTGCGGAG | ACTCTGTAGG |
| | 107281 | ATAAAGTGTT | TTTGGGCCCC | GTCGTATCGA | CGGCTCATAG | CCACGGCCGC | GGCCGCGTGG |
| | 107341 | GGGAGAGCCC | AGAGGGCCTC | CCCCGTGGCC | ATGGCTTCGC | CTACATGCGG | AACGGGAGAC |
| 15 | 107401 | GCTACGCTCC | CCGTAACGGC | GGTACCCGCC | CGTCCCGGTG | GCAACAGCTT | TTGGTAGAAC |
| | 107461 | TGGTTCAGGG | CCGAGTTGAC | ACCGGTCAGC | TTGGGGTTCT | GGAGCCATGC | TATAGGGTCT |
| | 107521 | CTGTCTGGAC | AGTAGATCAG | GTTAATCAGC | GCGCGGTACT | GTCTAGCCGG | ATCTCCCAAC |
| | 107581 | TCCGGCACGT | AAAGCGGCAC | GGGTTCGGTT | GAGGCCTCGT | AACGAGCCCG | CGCCGCTCTC |
| | 107641 | ACAGCCTCAT | CCTCCAGTG | ACCTCTCTCT | GTCTCCCCGG | ACGGTCCAAA | CCGCACCCTG |
| 20 | 107701 | TTGGATGGGA | GGGGTGCCGA | TCCGGGCCAA | GGGCTTCCGT | CGGGCATCAT | GAGCGGCCCC |
| | 107761 | GACACCGGGG | GAATTATCGG | GGTCTGGAT | CGCGGCAGGG | AAAATGATTT | CTGTCTCTGG |
| | 107821 | CGCCCCGGTT | CCCCCGCAAG | ACGTTTGGTC | TTACGAATCC | TGGATCGGG | ACCGCTGATG |
| | 107881 | GATCGATATC | CCGGTTGGAT | ATTTTGTTTC | CTCGACCCAC | CATCATTTGA | CATCGAATCA |
| | 107941 | TCCGAATTTG | ACGGGGAAGG | GCGGTGTTCC | GTCTCCGACC | TGTCGCTGT | AGTTTCACTT |
| 25 | 108001 | CCCACGAAA | CGCGCCGGGG | TTCATCGTCT | TCATCCTCCG | ATGACGATCC | CCACGACGAG |
| | 108061 | GAAGAGGATG | AAGACGAAAC | AAACTCACGA | CTCTTTGGCT | TTTTCTCCAC | TGGGCTGTCA |
| | 108121 | TCCTCAATCG | GGTCTGGTGC | GTGGGATCTT | CCCGGCAGGG | CCAAAAACGC | TCTAGGTTTG |
| | 108181 | CCCCCGGACG | AACGTCCAGG | GACGCGAGGT | GTTATACCCC | GGGCATCATG | TTTCCTTGGG |
| | 108241 | CGGGTATCAT | CGGTCTCAAA | CGGCAGGTCC | GCCTTTGCCC | CCTTAGCCGG | AACGCTGTCC |
| 30 | 108301 | GAAAGGACGT | GGTACAATTG | CTCAACCGGG | CCGGGTACAG | GTCCACCGGG | TTTCCGCGCC |
| | 108361 | GGGAGTGGGA | CCTTAACCTT | CAAAGTCTTT | TTCTTCGGGC | TCTTTCCTG | AGCGGGCCGT |
| | 108421 | TGAGTTTTCT | GGAGAACTAC | TCCGTCCCCC | GATGCATGCG | CATGACCCCG | TTGCTCATCG |
| | 108481 | CCCGGCTTTT | TACCCGAGAT | GGACTGAGTT | TGTCTGTCTC | GATGGACCAC | CGACGGCAAA |
| | 108541 | CCTGGTGAAT | TTCTCTCTCG | CGTTTGTCGG | GGTATAGACC | GCTGGTCTTC | CCGTTGATCG |
| 35 | 108601 | TTCCCGGCGG | CGTCTCCAAC | AGGAGACGCG | GGGGATACAG | GGGAGAAGGC | CTGCGGGAAC |
| | 108661 | GGAGGGGTGCG | TACCTCTGCC | CGTTTCCCCA | TCGTTTCATCG | GTGGTTTTGG | AGACCTAGCA |
| | 108721 | AGCTTCGTTC | CGAGAGAGAC | TGTCTCAAGG | GAGCGATCGG | CTCCTGTTGG | TTCTCGCGCG |
| | 108781 | CCGGCCTCCG | AGAATCGGGT | GTGGAAGACC | TCCGCCAGCG | GGATTACAGG | CGAGCCCATT |
| | 108841 | AGATCCTGAC | CGTCTCTGCA | TACGTAGTCG | TCTTGTGTTA | GCTCTTCGCC | AACATCTTCC |
| 40 | 108901 | GTTCTGGGTT | CTGGTTGAAG | TCCCGATACG | GAGGGAATTG | AAACGATCTC | GTGTTCCCGT |
| | 108961 | CCCACCATGA | CCCCGTCTCT | TCCAAATAGT | AGATCGTCAG | GCTGACTCGA | GTGACCACC |
| | 109021 | CGGGCCCTGT | GTTTCGGCGC | CGCCGCGGCC | CGCTCCAACA | GGTCCATTAA | CTCCAAAGTA |
| | 109081 | TCAGGCGACC | CCGCGCGTTG | GGGTGTAGAG | CGCTGCATCG | GCGGCGTATC | CATCGCACTG |
| | 109141 | GGGTGAATTT | AGACGTACCC | GAGTTTTCCT | AACGCTCTCG | CAGCCTTCAA | AGGATTGCGA |
| 45 | 109201 | TTGCGGTTGG | TGAGGGAGTT | CCAACAGTAC | TTAAAACGTG | TTGTGCCCCC | CCCTCGACCG |
| | 109261 | CATATTTTCT | CCCCGTGTCT | TCACCGTGTA | AATATTCTTA | ATGATAAGAC | GATGTAGTGA |
| | 109321 | TTGGACGAGA | CTCGAGGCGG | GAAGTTCATG | GACCATAGTA | TGCGTTTAAG | GAGAGACCGC |
| | 109381 | TGTTTGGCGA | TGTACGCCCC | GTGTCTATTT | CCGCATACCT | TACAACATCA | TAACAAGGGA |
| | 109441 | TACCAGACAT | GTGAATTTCA | TTTACATATG | TTTAAATAAC | AACCAATCAT | CGTGTGTCTA |
| 50 | 109501 | CACAGCATAT | ATAATATACA | TAAACACAAT | TGGGGTTGTC | TCACATGCAA | AACATCTTAT |
| | 109561 | ATAACACGGG | TTGTTTCCAC | TACATCCGCA | TCTAGTTAAT | CAAATGCACG | TCGACGGTGT |
| | 109621 | GTTTGGGTCC | CTCTCCGTCG | TCATTACGTT | CGCGCAATCA | ACAAGCGTAT | ACACCACCAC |
| | 109681 | CCCTCCCAAC | GATTATGTCA | GGCGGCACGA | AGCCCGCGAT | AACCCATAAA | ATACACACGG |
| | 109741 | GGTTGTGGTG | TTCACGTAAC | CCCCGCGCGA | TGGGGAGGGG | GCGCGGTACC | CCGCCGATGG |
| 55 | 109801 | GGAGGGGGCG | CGGTACCCCG | CCGATGGGGA | GGGGGCGCGG | TACCCGCGCG | ATGGGGAGGG |
| | 109861 | GGCGCGGTAC | CCCGCCGATG | GGGAGGGGGC | GCGGTACCCC | GCCGATGTTT | ATAACCATAA |
| | 109921 | TTCTCTAAAC | CGTTGTAGAA | AATCACAAAA | AAATTTATTC | AAAAACAAGT | CGAAGAAGTT |
| | 109981 | CATATCTGAG | GCATGTAAAC | CCGTTTCGCAC | TTCTTGGGGT | GGAATGGGGT | GGGGTGGGGG |
| | 110041 | GGTGAAAAAG | GGGGGGGGTT | AAATTGGGGC | TCCGCATGTC | TGTGGTGTAC | GCCAATCGGA |

| | | | | | | | |
|----|--------|------------|-------------|-------------|-------------|-------------|-------------|
| | 110101 | TACACTCTTT | TGATCTGCAT | TCGCACTTCC | CGTTTTTTTCA | CTGTATGGGT | TTTCATGTTT |
| | 110161 | TGGCATGTGT | CCAACCACCG | TTCGCACTTT | CTTTCCTATAT | ATATATATAT | ATATATATAT |
| | 110221 | ATATATAGAG | AAAGAGAGAG | AGTTTCTTGT | TCGCGCGTGT | TCCCGCGATG | TCGCGGTTTT |
| 5 | 110281 | ATGGGGTGTG | GGCGGGCTTT | TCACAGAATA | TATATATTCC | AAATGGAGCG | GCAGGCTTTT |
| | 110341 | TAAAATCGAT | TTGACGTGAT | AAAAAAAAAC | ACACGGGGCC | CCCCCTTTT | TTTGGTGTTA |
| | 110401 | TAAAGGCAAC | CCAATCGAAG | GTCTCCCGCC | CCGGAATCCC | CCATTGCCAT | TTTACCCAAG |
| | 110461 | TAGCCTTATT | CATAGATGTA | AACGTTTGGG | TGTGTGTTTT | GTTGTGCAGG | GTTTCGTCCGA |
| | 110521 | TTCATAACGC | GACAGCGTCG | AGTCGGTTTT | AAGGGAAAAG | GTTACTACGG | CCCCAAGGAC |
| | 110581 | ATGTTTTGCA | CCTCACCGGC | TACGCGGGGC | GACTCGTCCG | AGTCAAAACC | CGGGGCATCG |
| 10 | 110641 | GTTGATGTTA | ACGGAAAGAT | GGAATATGGA | TCTGCACCAG | GACCCCTGAA | CGGCCGGGAT |
| | 110701 | ACGTCGCGGG | GCCCCGCGCG | GTTTTGTACT | CCGGGTGTTG | AGATCCACCC | GGCCAGGCTC |
| | 110761 | GTTGAGGACA | TCAACCGTGT | TTTTTTTATGT | ATTGCACAGT | CGTCGGGACG | CGTCACGCGA |
| | 110821 | GATTCACGAA | GATTGCGGCG | CATATGCCCTC | GACTTTTATC | TAATGGGTCTG | CACCAGACAG |
| | 110881 | CGTCCCACGT | TAGCGTGCTG | GGAGGAATTG | TTACAGCTTC | AACCCACCCA | GACGTCAGTGC |
| 15 | 110941 | TTACGCGCTA | CTTTAATGGA | AGTGTCCTAT | CGACCCCTC | GGGGGGAAGA | CGGGTTCATT |
| | 111001 | GAGGCGCCGA | ATGTTCCCTT | GCATAGGAGC | GCACTGGAAT | GTGACGTATC | TGATGATGGT |
| | 111061 | GGTGAAGACG | ATAGCGACGA | TGATGGGTCT | ACGCCATCGG | ATGTAATTGA | ATTTCGGGAT |
| | 111121 | TCCGACGCGG | AATCATCGGA | CGGGGAAGAC | TTTATAGTGG | AAGAAGAATC | AGAGGAGAGC |
| | 111181 | ACCGATTCTT | GTGAACCAGA | CGGGGTACCC | GGCGATTGTT | ATCGAGACGG | GGATGGGTGC |
| 20 | 111241 | AACACCCCGT | CCCCAAAGAG | ACCCACGCGT | GCCATCGAGC | GATACGCGGG | TGCAGAAACC |
| | 111301 | GCGGAATATA | CAGCCGCGAA | AGCGCTCACC | GCGTTGGGCG | AGGGGGGTGT | AGATTGGAAG |
| | 111361 | CGACGTCGAC | ACGAAGCCCC | GCGCCGGCAT | GATATACCGC | CCCCCATGG | CGTGTAGTCT |
| | 111421 | TTATAAATAA | ATACAATGGT | TTGGCTCGTG | TCTTTTTTTG | ATGTCTGTCT | TTGGGGGAGT |
| | 111481 | GGGTGTGTGT | GGATATTAGA | GGGTAGAGGG | TGCTGGTTTG | AACGCTCCA | TTAACCCACG |
| 25 | 111541 | GGGTCCCCAC | ACGGGCGGTG | TGGTATGAAT | CTCTGCGGAT | CCGCGGTGA | GCACCCGGGC |
| | 111601 | GGTGAATATG | CCGGACTTTA | CTGCACACGA | CACGATACCC | CCGCGCACCA | GGCTCTCATG |
| | 111661 | AACGACGCCG | AACGGTACTT | CGCCGCGCGG | CTATGCGCCA | TATCTACCGA | GGCCTACGAG |
| | 111721 | GCTTTTATAC | ACAGCCCCCTC | CGAGAGACCG | TGCGCGAGTT | TGTGGGGGAG | GGCAAAGGAC |
| | 111781 | GCCTTCGGAC | GGATGTGCGG | GGAGCTCGCA | GCGGATAGAC | AACGTCCACC | CTCGGTTCCG |
| 30 | 111841 | CCGATCCGCA | GAGCGGTGTT | ATCGTTATTA | CGCGAGCAAT | GCATGCCGGA | TCCACAATCG |
| | 111901 | CATCTGGAGC | TCAGCGAGCG | GCTGATATTG | ATGGCATATT | GGTGTGTTTT | GGGACACGCC |
| | 111961 | GGACTTCCGA | CTATTGGATT | GTCGCCCGAT | AATAAATGCA | TCCGCGCCGA | ATTATATGAC |
| | 112021 | CGCCCCGGGG | GAATTTGTCA | CAGGCTTTTT | GACGCGTACC | TGGGCTGCGG | GTCCCTTGGA |
| 35 | 112081 | GTCCCAAGAA | CCTACGAGAG | ATCCTGACAC | CCCATCCCTT | TATATAGAAA | AAAAAATAA |
| | 112141 | ATTTAAACAA | TACACCGGAT | AAAAGCGTAC | TGTTTTTTAT | TAAATTTTAC | ACGCTCGGCG |
| | 112201 | TTGCCCGGGT | TCGGTGATCA | CCGGGTCTTA | TCTATATACA | CCGTGTAAC | CGAACCCCCG |
| | 112261 | TGACTCCCTC | CAATCGCGTT | ACCAAACCTC | TCTTCCGTAT | CCGTAGATT | CGAGTCCCTC |
| | 112321 | AAATCGTCCA | CTTATCCAAC | AAATTGTGAC | GTTATATATC | CCAAGGCAAA | GGCCGCTCCC |
| | 112381 | GTCATAGCAA | ATACAAAGAC | AATTATTAGC | GTAATATAAC | AGAATTTTTT | ACGATGATAT |
| 40 | 112441 | ATTTTATGTT | GATATTTTCC | AATTCGACGC | AAAAATTTCAT | CTGCCGTTTC | ATTTTCGCTA |
| | 112501 | TCACTATAAT | AACACTTTTC | AGCCGAACGG | TCCGTTTGTA | TGGCTGTTAT | CGTTGCTATTA |
| | 112561 | TTTGGTTGCG | CTCGCGGGT | TACCAACCGT | CTCATCAGTA | AGGCCACGGC | CTTACCCTCC |
| | 112621 | ATGGTGTTTT | GTCCGGCCAT | AGAAATCCAG | ATTGTAAGGC | CAGCAGGCTA | GTTTAAAAGT |
| | 112681 | GTTTAATACC | ACACCTTTTG | ATATTTATAT | ACATGCAAGA | TTCTAGATTA | TTCATCAATA |
| 45 | 112741 | GGTCGTTTAA | AGCGCGTTTT | CATAAACGTT | GTCAGCTATA | CCGACATTCT | CACAAAGAGG |
| | 112801 | TAAAGTTACC | TTACGTTATT | ATTAAATAAA | ACATGTAGAC | ATTATTAATA | ATCCTAGGAA |
| | 112861 | CAATCAAATC | CATATTTGTA | AGTTATGTTT | AACCCCTCCC | CTTTTTGTCA | TTATCTCCGC |
| | 112921 | CCTCTTATAA | TCGGATCACT | TTATAAGTGT | GTCGGTGAGT | ATATTTTGTA | CAGTTGTTGG |
| | 112981 | ACAACAGGTT | TTTGGTTCAT | TAACACTATC | AACATAAGTC | GGGGTATACA | AGTATAATGA |
| 50 | 113041 | ACGACGTTGA | TGCAACAGAC | ACCTTTGTTG | GACAAGGAAA | GTTCCGTGGC | GCCATCTCAA |
| | 113101 | CATACCGTGC | ACATATTATG | CAACATGTG | GGTTTATACA | ACAGATGTTT | CCAGTTGAAA |
| | 113161 | TGTCGCCCCG | CATAGAATCT | GAGGATGATC | CCAATTATGA | CGTTAACATG | GATATACAGT |
| | 113221 | CTTTTAATAT | ATTTGATGGT | GTACACGAAA | CTGAAGCCGA | AGCCTCTGTG | GCATTGTGCG |
| | 113281 | CAGAAGCACG | CGTTGGAATT | AATAAAGCGG | GATTTGTAAT | ATTAAAAACG | TTTACACCAG |
| 55 | 113341 | GGGCGGAAGG | TTTTGCGTTT | GCGTGTATGG | ACAGTAAAAC | ATGTGAACAT | GTGGTCATTA |
| | 113401 | AAGCGGGTCA | ACGTCAAGGA | ACGGCCACCG | AGGCAACCGT | GTTAAGAGCG | TTAACCACCC |
| | 113461 | CATCCGTTGT | ACAGCTTAAA | GGAACGTTTA | CGTATAACAA | AATGACATGT | CTTATATTAC |
| | 113521 | CACGTTACCG | AACAGATTTA | TACTGCTATC | TAGCTGCAAA | GCGCAACCTC | CCCATATGTG |
| | 113581 | ACATTTTAGC | AATTCAGCGA | TCTGTATTAC | GCGCGTTACA | GTATCTTCAT | AATAACAGTA |

| | | | | | | | |
|----|--------|------------|------------|------------|------------|-------------|-------------|
| | 113641 | TTATTCACCG | TGATATAAAA | TCTGAAAATA | TATTTATTAA | CCACCCAGGT | GATGTTTGTG |
| | 113701 | TGGGAGACTT | TGGAGCAGCG | TGTTTCCCCG | TGGATATTAA | TGCCAACAGG | TATTATGGCT |
| | 113761 | GGGCTGGAAC | AATCGCCACA | AACTCTCCTG | AGTTATTGGC | TAGAGATCCA | TATGGACCTG |
| 5 | 113821 | CCGTGGACAT | ATGGAGTGCC | GGGATTGTAT | TATTTGAAAT | GGCTACAGGA | CAGAACTCGT |
| | 113881 | TATTTGAACG | AGACGGTTTA | GATGGCAATT | GTGACAGTGA | GCGTCAAATT | AAACTTATTA |
| | 113941 | TACGACGATC | TGGAATCAT | CCCAATGAAT | TTCCCATTAA | CCCTACATCA | AATCTTCGTC |
| | 114001 | GACAATACAT | TGGTTTGCCA | AAACGGTCTT | CTCGAAAACC | CGGATCCAGG | CCATTGTGGA |
| | 114061 | CAAATCTATA | TGAGTTGCCA | ATTGATTTGG | AGTATTTGAT | ATGTAAGATG | TTATCGTTTG |
| | 114121 | ACGCACGTCA | TCGACCATCA | GCAGAGGTGT | TGCTTAACCA | CTCTGTTTTC | CAAACCTCTC |
| 10 | 114181 | CCGATCCATA | TCCAAATCCA | ATGGAAGTTG | GAGATTAAAA | TTCATTAAGC | CTGTTAATAA |
| | 114241 | AATATTGTAT | AAATTGTGTT | TATAACGTAT | AACCCGTTAA | GGCAAATAGG | GTACAAACGC |
| | 114301 | GCAATGTTTT | GAAATACTAA | TATAAATAAC | ATAACCAATA | GAAACTTAAT | ACAGAGTCAC |
| | 114361 | GCCCCATTAC | AACAAGGATA | AAACACGGGA | TCATTTTCTT | AACATTGTAG | TAGCGCTGAA |
| | 114421 | AAGCGTCCCC | TCCCCCGGCT | CACAGAGCTG | CTCTTCGGTG | TAGTTGGGTA | TACTGGTGCG |
| 15 | 114481 | CCTCATTTAA | TCGCGATGTT | TTTAATCCAA | TGTTTGATAT | CGGCCGTTAT | ATTTTACATA |
| | 114541 | CAAGTGACCA | ACGCTTTGAT | CTTCAAGGGC | GACCACGTGA | GCTTGCAAGT | TAACAGCAGT |
| | 114601 | CTCACGTCTA | TCCTTATTCC | CATGCAAAAT | GATAATTATA | CAGAGATAAA | AGGACAGCTT |
| | 114661 | GTCTTTATTG | GAGAGCAACT | ACCTACCGGG | ACAAACTATA | GCGGAACACT | GGAACGTGTA |
| | 114721 | TACGCGGATA | CGGTGGCGTT | TTGTTTCCGG | TCAGTACAAG | TAATAAGATA | CGACGGATGT |
| 20 | 114781 | CCCCGGATTA | GAACGAGCGC | TTTTATTTCG | TGTAGGTACA | AACATTTCGTG | GCATTATGGT |
| | 114841 | AACTCAACGG | ATCGGATATC | AACAGAGCCG | GATGCTGGTG | TAATGTTGAA | AATTACCAAA |
| | 114901 | CCGGGAATAA | ATGATGCTGG | TGTGTATGTA | CTTCTTGTTT | GGTTAGACCA | TAGCAGATCC |
| | 114961 | ACCGATGGTT | TCATTCTTGG | TGTAAATGTA | TATACAGCGG | GCTCGCATCA | CAACATTCAC |
| | 115021 | GGGGTTATCT | ACACTTCTCC | GTCTCTACAG | AATGGATATT | CTACAAGAGC | CCTTTTTCAA |
| 25 | 115081 | CAAGCTCGTT | TGTGTGATTT | ACCCGCGACA | CCCAAAGGGT | CCGGTACCTC | CCTGTTTCAA |
| | 115141 | CATATGCTTG | ATCTTCGTGC | CGGTAAATCG | TTAGAGGATA | ACCCTTGGTT | ACATGAGGAC |
| | 115201 | GTTGTTACGA | CAGAACTAA | GTCCGTGTGT | AAGGAGGGGA | TAGAAAATCA | CGTATATCCA |
| | 115261 | ACGGATATGT | CCACGTTACC | CGAAAAGTCC | CTTAATGATC | CTCCAGAAAA | TCTACTTATA |
| | 115321 | ATTATTCCTA | TAGTAGCGTC | TGTCATGATC | CTCACCGCCA | TGGTTATTGT | TATGTATAA |
| 30 | 115381 | AGCGTTAAGC | GACGTAGAAT | TAAAAAACAT | CCAATTTATC | GCCCAAATAC | AAAAACAAGA |
| | 115441 | AGGGGCATAC | AAAATGCGAC | ACCAGAATCC | GATGTGATGT | TGGAGGCCGC | CATTGCACAA |
| | 115501 | CTAGCAACGA | TTCGCGAAGA | ATCCCCCCCA | CATTCCGTTG | TAAACCCGTT | TGTTAAATAG |
| | 115561 | AACTAATTAT | CCCGGATTTT | ATATTAAATA | AACATATATG | GTTTTATTTA | GCGTTTGTAT |
| | 115621 | TACGCGTTGT | GATATGAGGG | GAAGGATTAA | GAATCTCCTA | ACTATAAGTT | AACACGCCCA |
| 35 | 115681 | CATTTGGGCG | GGGATGTTTT | ATGAAGCCTT | AAAGGCCGAG | CTGGTATACA | CGAGAGCAGT |
| | 115741 | CCATGGTTTT | AGACCTCGGG | CGAATTGCGT | GGTTTTAAGT | GACTATATTC | CGAGGGTCGC |
| | 115801 | CTGTAATATG | GGGACAGTTA | ATAAACCTGT | GGTGGGGGTA | TTGATGGGGT | TCGGAATTAT |
| | 115861 | CACGGGAACG | TTGCGTATAA | CGAATCCGGT | CAGAGCATCC | GTCTTGCGAT | ACGATGATTT |
| | 115921 | TCACACCGAT | GAAGACAAAC | TGGATACAAA | CTCCGTATAT | GAGCCTTACT | ACCATTTCAGA |
| 40 | 115981 | TCATGCGGAG | TCTTCATGGG | TAAATCGGGG | AGAGTCTTCG | CGAAAAGCGT | ACGATCATAA |
| | 116041 | CTCACCTTAT | ATATGGCCAC | GTAATGATTA | TGATGGATTT | TTAGAGAACG | CACACGAACA |
| | 116101 | CCATGGGGTG | TATAATCAGG | GCCGTGGTAT | CGATAGCGGG | GAACGGTTAA | TGCAACCCAC |
| | 116161 | ACAAATGTCT | GCACAGGAGG | ATCTTGGGGA | CGATACGGGC | ATCCACGTTA | TCCCTACGTT |
| | 116221 | AAACGGCGAT | GACAGACATA | AAATTGTAAA | TGTGGACCAA | CGTCAATACG | GTGACGTGTT |
| 45 | 116281 | TAAAGGAGAT | CTTAATCCAA | AACCCCAAGG | CCAAAGACTC | ATTGAGGTGT | CAGTGGGAAGA |
| | 116341 | AAATCACCCG | TTTACTTTAC | GCGCACCGAT | TCAGCGGATT | TATGGAGTCC | GGTACACCGA |
| | 116401 | GACTTGAGAG | TTTTTGCCGT | CATTAACCTG | TACGGGAGAC | GCAGCGCCCG | CCATCCAGCA |
| | 116461 | TATATGTTTA | AAACATACAA | CATGCTTTCA | AGACGTGGTG | GTGGATGTGG | ATTGCGCGGA |
| | 116521 | AAATACTAAA | GAGGATCAGT | TGGCCGAAAT | CAGTTACCGT | TTTCAAGGTA | AGAAGGAAGC |
| 50 | 116581 | GGACCAACCG | TGGATTGTTG | TAAACACGAG | CACACTGTTT | GATGAACTCG | AATTAGACCC |
| | 116641 | CCCCGAGATT | GAACCGGGTG | TCTTGAAAGT | ACTTCGGACA | GAAAAACAAT | ACTTGGGTGT |
| | 116701 | GTACATTTGG | AACATGCGCG | GCTCCGATGG | TACGTCTACC | TACGCCACGT | TTTTGGTTCAC |
| | 116761 | CTGGAAGGGG | GATGAAAAAA | CAAGAAACCC | TACGCCCCGA | GTAACCTCTC | AACCAAGAGG |
| | 116821 | GGCTGAGTTT | CATATGTGGA | ATTACCACTC | GCATGTATTT | TCAGTTGGTG | ATACGTTTAG |
| 55 | 116881 | CTTGGAATG | CATCTTCAGT | ATAAGATACA | TGAAGCGCCA | TTTGATTTGC | TGTTAGAGTG |
| | 116941 | GTTGTATGTC | CCCATCGATC | CTACATGTCA | ACCAATGCGG | TTATATTCTA | CGTGTTTGTA |
| | 117001 | TCATCCCAAC | GCACCCCAAT | GCCTCTCTCA | TATGAATTCC | GGTTGTACAT | TTACCTCGCC |
| | 117061 | ACATTTAGCC | CAGCGTGTTG | CAAGCACAGT | GTATCAAAAT | TGTGAACATG | CAGATAACTA |
| | 117121 | CACCGCATAT | TGTCTGGGAA | TATCTCATAT | GGAGCCTAGC | TTTGGTCTAA | TCTTACACGA |

| | | | | | | | |
|----|--------|--------------|------------|-------------|-------------|-------------|------------|
| | 117181 | CGGGGGCACC | ACGTTAAAGT | TTGTAGATAC | ACCCGAGAGT | TTGTCGGGAT | TATACGTTTT |
| | 117241 | TGTGGTGTAT | TTTAACGGGC | ATGTTGAAGC | CGTAGCATAC | ACTGTTGTAT | CCACAGTAGA |
| | 117301 | TCATTTTGTGTA | AACGCAATTG | AAGAGCGTGG | ATTTCCGCCA | ACGGCCGGTC | AGCCACCGGC |
| | 117361 | GACTACTAAA | CCCAAGGAAA | TTACCCCGT | AAACCCCGGA | ACGTCACCAC | TTCTACGATA |
| 5 | 117421 | TGCCGCATGG | ACCGGAGGGC | TTGCAGCAGT | AGTACTTTTA | TGTCTCGTAA | TATTTTAAAT |
| | 117481 | CTGTACGGCT | AAACGAATGA | GGGTAAAGC | CTATAGGGTA | GACAAGTCCC | CGTATAACCA |
| | 117541 | AAGCATGTAT | TACGCTGGCC | TTCCAGTGGG | CGATTTTCGAG | GACTCGGAAT | CTACGGATAC |
| | 117601 | GGAAGAAGAG | TTTGGTAACG | CGATTGAGAG | GAGTCACGGG | GGTTCGAGTT | ACACGGTGTA |
| | 117661 | TATAGATAAG | ACCCGGTGAT | CACCGAACCG | GGGCAACGCC | GAGCGTGTA | ATTTAAATAA |
| 10 | 117721 | AAAACAGTAC | GCTTTTATCC | GGTGTATGTT | TTAAATTTAT | TTTTTTTTTTC | TATATAAAGG |
| | 117781 | GATGGGGTGT | CAGGATCTCT | CGTAGGTTCT | TGGGACTCCA | AGGGACCCGC | AGCCCAGGTA |
| | 117841 | CGCGTCAAAA | AGCCTGTGAC | AAATTCCCCC | GGGGCGGTCA | TATAATTCGG | CGCGGATGCA |
| | 117901 | TTTATTATCG | GGCGACAATC | CAATAGTCGG | AAGTCCGGCG | TGTCCCAAAC | AGCACCATA |
| | 117961 | TGCCATCAAT | ATCAGCCGCT | CGCTGAGCTC | CAGATGCGAT | TGTGGATCCG | GCATGCATTG |
| 15 | 118021 | CTCGCGTAAT | AACGATAACA | CCGCTCTGCG | GATCGGCGGA | ACCGAGGGTG | GACGTTGTCT |
| | 118081 | ATCCGCTGCG | AGCTCCCCGC | ACATCCGTCC | GAAGGCGTCC | TTTGCCCTCC | CCCACAAACT |
| | 118141 | CGCGCACGGT | CTCTCGGAGG | GGCTGTGTAT | AAAAGCCTCG | TAGGCCTCGG | TAGATATGGC |
| | 118201 | GCATAGCGCG | GCGGCGAAGT | ACCGTTCGGC | GTCGTTTCATG | AGAGCCTGGT | GCGCGGGGGT |
| | 118261 | ATCGTGTCTG | GTGCAGTAAA | GTCCGGCATA | TTCACCGCCC | GGGTGCTCAC | CGCGGGATCC |
| 20 | 118321 | GCAGAGATTC | ATACCACACG | GCCCCGTGTG | GGACCCCGTG | GGTTAATGGA | GACGTTCAAA |
| | 118381 | CCAGCACCCCT | CTACCCTCTA | ATATCCACAA | CACCCCACTC | CCCCACAGAC | AGACATCAAA |
| | 118441 | AAAAGACACG | AGCCAAACCA | TTGTATTTAT | TTATAAAGAC | TACACGCCAT | GGGGGGGCGG |
| | 118501 | TATATCATGC | CGGCGCGGGG | CTTCGTGTCT | ACGTCGCTTC | CAATCTACAC | CCCCCTCGCC |
| | 118561 | CAACGCGGTG | AGCGCTTTCT | CGGCTGTATA | TTCCGCGGTT | TCTGCACCCG | CGTATCGCTC |
| 25 | 118621 | GATGGCACGC | TGGGGTCTCT | TTGGGGACGG | GGTGTTGCAC | CCATCCCGCT | CTCGATAACA |
| | 118681 | ATCGCCGGGT | ACCCCGTCTG | GTTCAACAAGA | ATCGGTGCTC | TCCTCTGATT | CTTCTTCCAC |
| | 118741 | TATAAAGTCT | TCCCCGTCCG | ATGATTCCGC | GTCGGAATCC | CGAAATTCAA | TTACATCCGA |
| | 118801 | TGGCGTAGAC | CCATCATCGT | CGCTATCGTC | TTCACCACCA | TCATCAGATA | CGTCACATTC |
| | 118861 | CAGTGCGCTC | CTATGCAAAG | GAACATTCCG | CGCCTCAATG | AACCCGTCTT | CCCCCGGAGG |
| 30 | 118921 | GGGTCGATGG | GACACTTCCA | TTAAAGTAGC | GCGTAAGCAC | TGCGTCTGGG | TGGGTGTAAG |
| | 118981 | CTGTAACAAT | TCCTCCCAGC | ACGCTAACGT | GGGACGCTGT | CTGGTGCGAC | CCATTAGATA |
| | 119041 | AAAGTCGAGG | CATATGCGCC | GCAATCTTCG | TGAATCTCGC | GTGACGCGTC | CCGACGACTG |
| | 119101 | TGCAATACAT | AAAAAAACAC | GGTTGATGTC | CTCAACGAGC | CTGGCCGGGT | GGATCTCCCA |
| | 119161 | ACCCGGAGTA | CAAAACGCGC | CGGGGCCCCG | CGACGTATCC | CGGCCGTTCA | GGGGTCTTGG |
| 35 | 119221 | TGCAGATCCA | TATTCCATCT | TTCCGTTAAC | ATCAACCGAT | GCCCCGGGTT | TTGACTCGGA |
| | 119281 | CGAGTCGCCC | CGCGTAGCCG | GTGAGGTGCA | AAACATGTCC | TTGGGGCCGT | AGTAACCTTT |
| | 119341 | TCCCTTAAAA | CCGACTCGAC | GCTGTCGCGT | TATGAATCGG | ACGAACCCTG | CACAACAAAA |
| | 119401 | CACACACCCA | AACGTTTACA | TCTATGAATA | AGGCTACTTG | GGTAAAATGG | CAATGGGGGA |
| | 119461 | TTCCGGGGCG | GGAGACCTTC | GATTGGGTTG | CCTTTATAAC | ACCAAAAAAA | GGGGGGGGCC |
| 40 | 119521 | CCGTGTGTTT | TTTTTTATCA | CGTCAAATCG | ATTTTAAAAA | GCCTGCCGCT | CCATTTGGAA |
| | 119581 | TATATATATT | CTGTGAAAAG | CCCCGCCACA | CCCCATAAAA | CCGCGACATC | CGGGGAACAC |
| | 119641 | GCGCGAACAA | GAAACTCTCT | CTCTTTCTCT | ATATATATAT | ATATATATAT | ATATATATAT |
| | 119701 | AGAAAGAAAG | TGCGAACGGT | GGTTGGACAC | ATGCCAAAAC | ATGAAAACCC | ATACAGTGAA |
| | 119761 | AAAACGGGAA | GTGCGAATGC | AGATCAAAAG | AGTGTATCCG | ATTGGCGTAC | ACCACAGACA |
| 45 | 119821 | TGCGGACGCC | CAATTTAACC | CCCCCCTTTT | TTCACCCCCC | CACCCACCCC | CATTCCACCC |
| | 119881 | CAGGAAGTGC | GAACGGGTTT | ACATGCCTCA | GATATGAAGT | TCTTCGACTT | GTTTTTGAAT |
| | 119941 | AAATTTTTTT | GTGATTTTCT | ACAACGGTTT | AGAGAATTAT | GGTTATAAAC | ATCGGCGGGG |
| | 120001 | TACCGCGCCC | CCTCCCCATC | GGCGGGGTAC | CGCGCCCCCT | CCCCATCGGC | GGGGTACCGC |
| | 120061 | GCCCCCTCCC | CATCGGCGGG | GTACCGCGCC | CCCTCCCCAT | CGGCGGGGTA | CCGCGCCCCC |
| 50 | 120121 | TCCCCATCGG | CGGGGGGTTA | CGTGAACACC | ACAACCCCGT | GTGTATTTTA | TGGGTTATCG |
| | 120181 | CGGGCTTCGT | GCCGCTTGAC | ATAATCGTTG | GGAGGGGTGG | TGGTGTATAC | GCTTGTTGAT |
| | 120241 | TGCGCGAACG | TAATGACGAC | GGAGAGGGAC | CCAAACACAC | CGTCGACGTG | CATTTGATTA |
| | 120301 | ACTAGATGCC | GGATGGGTGG | AAACAACCCG | TGTTATATAA | GATGTTTTGC | ATGTGAGACA |
| | 120361 | ACCCCAATTG | TGTTTATGTA | TATTATATAT | CGTCTGTAGA | CACACGATGA | TTGGTTGTTA |
| 55 | 120421 | TTTAAACATA | TGTAAATGAA | ATTACATATG | CTGGTATCCC | TTGTTATGAT | GTTGTAAGGT |
| | 120481 | ATGCGGAAAT | AGACACCGGG | CGTACATCGC | CAACCAGCGG | TCTCTCCTTA | AACGCATACT |
| | 120541 | ATGGTCCATG | AACTTCCCGC | CTCGAGTCTC | GTCCAATCAC | TACATCGTCT | TATCATTAAG |
| | 120601 | AATATTTACA | CGGTGACGAC | ACGGGGAGGA | AATATGCGGT | CGAGGGGGGG | GCACAACACG |
| | 120661 | TTTTAAGTAC | TGTTGGAAC | CCCTCACCAA | CCGCAATCGC | AATCCTTTGA | AGGCTGCGAG |

| | | | | | | | |
|----|--------|-------------|------------|------------|-------------|-------------|-------------|
| | 120721 | AGCGTTTGGGA | AAACTCGGGT | ACGTCTAAAT | TCACCCAGT | GCGATGGATA | CGCCGCCGAT |
| | 120781 | GCAGCGCTCT | ACACCCCAAC | GCGCGGGGTC | GCCTGATACT | TTGGAGTTAA | TGGACCTGTT |
| | 120841 | GGACGCGGCC | GCGGCGGGCC | CCGAACACAG | GGCCCGGGTG | GTCACCTCGA | GTCAGCCTGA |
| 5 | 120901 | CGATCTACTA | TTTGGAGAGA | ACGGGGTCAT | GGTGGGACGG | GAACACGAGA | TCGTTTCAAT |
| | 120961 | TCCCTCCGTA | TCGGGACTTC | AACCAGAACC | CAGAACGGAA | GATGTTGGCG | AAGAGCTAAC |
| | 121021 | ACAAGACGAC | TACGTATGCG | AGGACGGTCA | GGATCTAATG | GGCTCGCCTG | TAATCCCGCT |
| | 121081 | GGCCGAGGTC | TTCCACACCC | GATTCTCGGA | GGCCGGCGCG | CGAGAACCAA | CAGGAGCCGA |
| | 121141 | TCGCTCCCTT | GAGACAGTCT | CTCTCGGAAC | GAAGCTTGCT | AGGTCTCCAA | AACCACCGAT |
| | 121201 | GAACGATGGG | GAAACGGGCA | GAGGTACGAC | CCCTCCGTTT | CCGCAGGCCT | TCTCCCTGT |
| 10 | 121261 | ATCCCCCGCG | TCTCCTGTTG | GAGACGCCGC | CGGGAACGAT | CAACGGGAAG | ACCAGCGGTC |
| | 121321 | TATACCCCGA | CAAACGACGA | GAGGAAATTC | ACCAGGTTTG | CCGTCGGTGG | TCCATCGAGA |
| | 121381 | CAGACAAACT | CAGTCCATCT | CGGGTAAAAA | GCCGGGCGAT | GAGCAAGCGG | GTCATGCGCA |
| | 121441 | TGCATCGGGG | GACGGAGTAG | TCTCCAGAA | AACTCAACGG | CCCGCTCAGG | GAAAGAGCCC |
| | 121501 | GAAGAAAAAG | ACTTTGAAGG | TTAAGGTCCC | ACTCCCGGCG | CGGAAACCCG | GTGGACCTGT |
| 15 | 121561 | ACCCGGCCCG | GTTGAGCAAT | TGTACCACGT | CCTTTCGGAC | AGCGTTCCCG | CTAAGGGGGG |
| | 121621 | AAAGGCGGAC | CTGCCGTTTG | AGACCGATGA | TACCCGCCCA | AGGAAACATG | ATGCCCGGGG |
| | 121681 | TATAACACCT | CGCGTCCCTG | GACGTTTCGT | GGGGGGCAAA | CCTAGAGCGT | TTTTGGCCCT |
| | 121741 | GCCGGGAAGA | TCCACGCGAC | CAGACCCGAT | TGAGGATGAC | AGCCAGTGG | AGAAAAAGCC |
| | 121801 | AAAGAGTCGT | GAGTTTGT | CGTCTTCATC | CTCTTCCTCG | TCGTGGGGAT | CGTCATCGGA |
| 20 | 121861 | GGATGAAGAC | GATGAACCCC | GGCGCGTTTC | GGTGGGAAGT | GAAACTACAG | GCAGCAGGTC |
| | 121921 | CGGACGCGAA | CACGCCCTT | CCCCGTCAA | TTCGGATGAT | TCGGACTCAA | ATGATGGTGG |
| | 121981 | GTCGACGAAA | CAAAATATCC | AACCGGGATA | TCGATCCATC | AGCGGTCCTG | ATCCGAGGAT |
| | 122041 | TCGTAAAGAC | AAACGTCTTG | CGGGGGAACC | GGGGCGCCAG | AGACAGAAAT | CATTTTCCCT |
| | 122101 | GCCGCGATCC | AGAACCCCGA | TAATTCCTCC | GTGTTCGGGG | CCGCTCATGA | TGCCCGACGG |
| 25 | 122161 | AAGCCCTTGG | CCCGGATCGG | CACCCCTCCC | ATCCAACAGG | GTGCGGTTTG | GACCGTCCGG |
| | 122221 | GGAGACCAGA | GAGGGTCACT | GGGAGGATGA | GGCTGTGAGA | GCGGCGCGGG | TCTGTTACGA |
| | 122281 | GGCCTCAACG | GAACCCGTGC | CGCTTTACGT | GCCGGAGTTG | GGAGATCCGG | CTAGACAGTA |
| | 122341 | CCGCGCGCTG | ATTAACCTGA | TCTACTGTCC | AGACAGAGAC | CCTATAGCAT | GGCTCCAGAA |
| | 122401 | CCCCAAGCTG | ACCGGTGTCA | ACTCGGCCCT | GAACCAGTTC | TACCAAAAGC | TGTTGCCACC |
| 30 | 122461 | GGGACGGGCG | GGTACCGCCG | TTACGGGGAG | CGTAGCGTCT | CCCGTTCCGC | ATGTAGGCGA |
| | 122521 | AGCCATGGCC | ACGGGGGAGG | CCCTCTGGGC | TCTCCCCCAC | GCGGCCGCGG | CCGTGGCTAT |
| | 122581 | GAGCCGTCTGA | TACGACCGGG | CCCAAAAACA | CTTTATCCTA | CAGAGTCTCC | GCAGAGCCTT |
| | 122641 | TGCCAGCATG | GCATACCCCG | AGGCAACGGG | TCCAGTCCG | GCGGCGCGGA | TCTCCCGCGG |
| | 122701 | TCACCCTTCT | CCAACAACCC | CGGCCACACA | GGCTCCCGAC | CCTCAGCCGT | CGGCCGCCGC |
| 35 | 122761 | ACGCTCTCTT | TCTGTGTGTC | CACCGGATGA | TCGTTTACGA | ACTCCGCGCA | AGCGCAAGTC |
| | 122821 | CCAGCCAGTC | GAGAGCAGAA | GCCTCCTCGA | CAAGATTAGG | GAGACACCCG | TCGCGGACGC |
| | 122881 | CCGGGTTGCA | GACGATCATG | TGGTTTCCAA | GGCCAAGAGG | CGGGTATCCG | AGCCCGTGAC |
| | 122941 | CATCACCTCG | GGCCCTGTGG | TGGATCCCCC | CGCCGTAATA | ACGATGCCAC | TTGACGGACC |
| | 123001 | GGCCCCAAAC | GGGGGATTTT | GGCGTATTCC | CCGGGGGGCC | CTGCATACCC | CGGTCCCGTC |
| 40 | 123061 | GGACCAGGCT | CGCAAGGCGT | ACTGTACCCC | CGAAACCATC | GCCCGTCTGG | TCGACGACCC |
| | 123121 | ATTGTTTCCC | ACGGCCTGGC | GCCCTGCGCT | AAGCTTTGAT | CCCGGCGCCT | TGGCGGAAAT |
| | 123181 | CGCCGCTCGG | CGTCCGGGCG | GAGGAGACCG | ACGGTTTGGT | CCACCCAGCG | GAGTGGAGGC |
| | 123241 | GCTGCGACGG | AGGTGCGCCT | GGATGCGGCA | GATCCCAGAC | CCGGAGGATG | TGAGGCTTCT |
| | 123301 | GATCATCTAC | GATCCGTTGC | CCGGAGAGGA | CATCAACGGC | CCCCTCGAGA | GCACCCCTCGC |
| 45 | 123361 | GACAGATCCG | GGACCGTCAT | GGAGTCCATC | CCGAGGGGGA | CTGTCTGTGG | TCCTGGCAGC |
| | 123421 | CCTGAGTAAC | CGGTTGTGCC | TGCCGAGCAC | TCATGCCTGG | GCCGGGAACCT | GGACCGGCCC |
| | 123481 | GCCGGACGTG | TCCGCTTTGA | ACGCCCCGGG | CGTTTTTATTA | CTGTGACACC | GAGACCTGGC |
| | 123541 | CTTTGCCGGG | GCCGTCGAGT | ATCTAGGCTC | GCGGTTGGCC | TCTGCCCCGGC | GCCGTTTGCT |
| | 123601 | GGTGTGGGAC | GCGGTGGCCC | TCGAGAGGTC | GCCCAGGGAT | GGACCCGCTT | TGTCTCAGTA |
| 50 | 123661 | TCACGTGTAC | GTCCGGGGCC | CGGCGCGACC | GGACGCCCAG | GCCGTCGTCC | GATGGCCAGA |
| | 123721 | TCGCGCGGTC | ACAGAAGGAC | TCGCCCGGGC | CGTGTTTGCA | TCGTGCGCGA | CCTTTGGGCC |
| | 123781 | AGCGAGTTTT | GCTCGTATCG | AGACTGCGTT | TGCCAACCTG | TACCCGGGCG | AACAACCCCT |
| | 123841 | GTGTTTGTGC | CGCGGTGGGA | ACGTGCGATA | CACCGTGTGT | ACCCGCGCGG | GCCCCAAGAC |
| | 123901 | CCGCGTCCCC | CTGTGCCCCC | GTGAATACCG | GCAGTACGTG | CTGCCGGGTT | TTGACGGTTG |
| 55 | 123961 | CAAGGACCTC | GCGCGACAGT | CTCGGGGTCT | GGGGCTCGGG | GCAGCCGACT | TTGTGGACGA |
| | 124021 | GGCGGCACAT | AGCCACCGCG | CAGCAAACCG | ATGGGGCCTG | GGTGCCGCGC | TTCCACCCGT |
| | 124081 | CTTCCTTCCC | GAGGGACGGA | GACCGGGGGC | CGCCGGGCGG | GAGGCCGGCG | ACGTACCCAC |
| | 124141 | CTGGGCGAGG | GTGTTTTGCC | GCCACGCCCT | GCTGGAACCC | GACCCTGCCG | CAGAACCCT |
| | 124201 | CGTGCTTCCA | CCCGTGGCCG | GTCGGTCCGT | GGCGCTGTAT | GCGTGGCGCG | ACGAGGCTCG |

124261 GAATGCCCTC CCCCCGATTC CCAGAGTAAT GTGGCCGCCC GGTTTTGGGG CCGCGGAGAC
124321 GGTGTTGGAG GGGAGCGACG GAACACGGTT CGTGTTTCGGA CACCACGGGG GCTCGGAACG
124381 GCCGTCAGAA ACCCAGGCGG GGCGACAGCG GCGCACCGCA GACGACAGAG AACACGCTTT
124441 GGAGCTGGAC GATTGGGAGG TGGGGTGTGA AGACGCGTGG GACAGCGAGG AGGGGGGCGG
5 124501 GGACGACGGG GACGCACCGG GGTCATCCTT TGGGGTGAGC ATCGTGTCGG TGGCCCCGGG
124561 TGTGCTGCGA GACCGCCGGG TGGGTTTGCG CCCGGCGGTC AAGGTGGAGC TGTGTCTCCTC
124621 GTCTTCGTCC TCCGAGGACG AGGACGATGT GTGGGGAGGG CGCGGGGGGA GGAGCCCCC
124681 GCAGAGTCGG GGGTGACGGA GTCCCCTCCT TTTCTCGTGA GCGCCACTGG CGCGCGGACT
124741 GTTTGTGTGTT AATAAAAGCG GAACGGTTTT TATGAAAAAA GTGTCTGTCT GTCTGTGCGG
10 124801 GCGGGCGACG GCGGGGCTGG TCGGACCCCC CCCCAGAAAT AACCCCCCCC CGGTTTCTGG
124861 GCGCCCGGCG GACCCCGGGA GAGG